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**生产基地** Manufacture Base

湖北华欣有机硅新材料有限公司  
Hubei Huaxin Organosilicone New Material Co.,Ltd  
生产基地地址: 湖北省云梦县隔蒲镇盐化工业园区  
Manufacture base address: Provincial Salt Chemical Industry Demonstration Zone,  
Yunmeng Country, Xiaogan City, Hubei Province, China

**始于 1996 年，持续专注硅烷偶联剂的发展……**

**Dating from 1996,  
Keeping moving, Keeping developing.**



# 公司简介

## Company Profile



湖北华欣有机硅新材料有限公司成立于2011年(原湖北省云梦华昌化工有限责任公司, 创办于1996年), 中国氟硅有机材料工业协会理事会会员单位, 国家级专精特新小巨人企业。通过了ISO9001:2015质量体系认证ISO14001:2015环境管理体系认证, 通过了45001:2018职业健康安全管理体系认证。

主要从事有机硅偶联剂产品的生产和研发, 现有员工200多人, 具有各级职称科研管理人员20余人, 同时还拥有来自各大专院校从事化学研究、开发及管理的技术人才。工厂占地100多亩, 拥有先进的生产技术和完善的生产配套设施, 年产硅烷偶联剂系列产品10000多吨。

公司在武汉设有销售总部, 在广州、济南设有办事处及仓储, 以便于做好售前及售后服务工作。

**我们的宗旨是: 以优质的产品和服务, 成为您最真挚的合作伙伴。**

Hubei Huaxin Organosilicone New Material Co.,Ltd was set up in 2011. (The predecessor is Hubei Yunmeng Huachang Chemical Co.,Ltd, which was founded in 1996.) As the member of China Association of Fluorine and Silicone Industry, we specialize in silicone industry and get national prize as Giant Enterprises. Huaxin has acquired ISO9001:2015 quality system certification, ISO14001:2015 environmental management system certification and ISO45001:2018 occupational health and safety management system certification.

Huaxin is engaged in researching, developing and producing Silane Coupling Agent. Currently we have over 200 employees, 20 of them are with senior and middle grade titles. What's more we have chemical laboratory and professional R&D personnel. Our factory is equipped with advanced production equipments which is covering an area of 30 acres with workshop over 12,000 square meters. The annual output of Silane Coupling Agent is over 10,000 tons.

HUAXIN has a sales headquarters in Wuhan, Has offices and warehousing in Guangzhou and Jinan. In order to do a good job of pre-sales and after-sales service.

**Our aim is to be your sincere partner by high-quality product and good service.**



# 工厂展示

Factory Display



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# HX-540

## 硅烷偶联剂

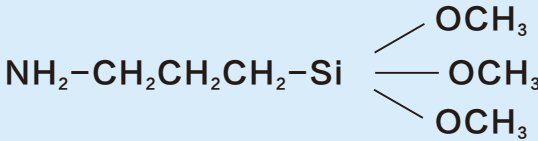
### 一、国外对应牌号及CAS号

| 牌号      | 生产商 | CAS号       |
|---------|-----|------------|
| A-1110  | 迈图  | 13822-56-5 |
| KBM-903 | 信越  |            |
| Z-6610  | 道康宁 |            |
| AMMO    | 赢创  |            |

### 二、化学名称

3-氨丙基三甲氧基硅烷

### 三、化学结构式



### 四、物理性质

无色透明液体，分子量179.2，沸点194℃，闪点92℃。  
溶于醇、醚、酯、苯等有机溶剂，与水反应。

### 五、技术规格

| 外观                                    | 无色透明液体        |    |    |
|---------------------------------------|---------------|----|----|
| 含量(%)≥                                | 97            | 98 | 99 |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 1.010-1.030   |    |    |
| 折射率(nD <sup>25</sup> )                | 1.4150-1.4350 |    |    |

### 六、用途

本品主要用于有机高分子材料和无机材料之间的偶联，以提高产品的机械、电气、耐水、抗老化等性能。

可用于聚氨酯、环氧、腈类、酚醛胶粘剂和密封材料，改善颜料的分散性，并提高对玻璃、铝、铁金属的粘合性，也适用于聚氨酯、环氧和丙烯酸乳胶涂料等。

### 七、包装与储运

塑料桶，钢桶或者IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-540

## Silane Coupling Agent

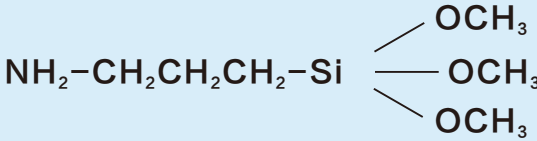
### 1.Brand Name & CAS Number

| Grade   | Company            | CAS No.    |
|---------|--------------------|------------|
| A-1110  | Momentive          | 13822-56-5 |
| KBM-903 | Shin-Etsu Chemical |            |
| Z-6610  | Dow Inc            |            |
| AMMO    | Evonik             |            |

### 2.Chemical Name

3-Aminopropyltrimethoxysilane

### 3.Molecular Formula



### 4.Properties

Colorless transparent liquid,molecular weight 179.2,,b.p 194℃,flash point 92℃.  
Soluble in organic solvents such as alcohol,ether,esters,benzene,react with water.

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |    |    |
|--------------------------------------------|------------------------------|----|----|
| Assay(%)≥                                  | 97                           | 98 | 99 |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 1.010-1.030                  |    |    |
| Refractive index(nD <sup>25</sup> )        | 1.4150-1.4350                |    |    |

### 6.Application

Mainly used in organic polymer materials to imptbeemechanical,electrical, water-resisting and anti-aging properties of produc ts.  
Available in polyurethane,epoxy,nitriles,phenoli resin adhesive and sealing material,improve pigment dispersibility and increase adhesion to glass,aluminium, ferrous metals,also applies to the polyurethane,epoxy and acrylic latex paint.

### 7.Packing & Storage

In plastic drum,steel drum or IBC drum,W.t5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.

# HX-550

## 硅烷偶联剂

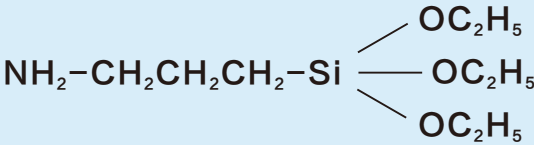
### 一、国外对应牌号及CAS号

| 牌号      | 生产商 | CAS号     |
|---------|-----|----------|
| A-1100  | 迈图  | 919-30-2 |
| KBE-903 | 信越  |          |
| Z-6011  | 道康宁 |          |
| AMEO    | 赢创  |          |

### 二、化学名称

3-氨丙基三乙氧基硅烷

### 三、化学结构式



### 四、物理性质

无色透明液体，沸点217℃，闪点96℃。  
溶于醇、醚、酯、苯等有机溶剂，可溶于水，在水中水解。

### 五、技术规格

| 外观                                    | 无色透明液体        |    |    |
|---------------------------------------|---------------|----|----|
| 含量(%)≥                                | 97            | 98 | 99 |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 0.940-0.946   |    |    |
| 折射率(nD <sup>25</sup> )                | 1.4185-1.4205 |    |    |

### 六、用途

本品是一种重要的硅烷偶联剂，主要用于有机高分子材料和无机材料之间的偶联，以提高产品的机械、电气、耐水和抗老化等性能。常用于玻纤、铸造、纺织物助剂、绝缘材料、胶粘剂等行业。

适用的有机高分子材料包括酚醛树脂、环氧树脂、三聚氰胺树脂、尼龙、聚丙烯、三元乙丙橡胶、氯丁橡胶、丁腈橡胶和聚氨酯橡胶等。

### 七、包装与储运

塑料桶，钢桶或者IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-550

## Silane Coupling Agent

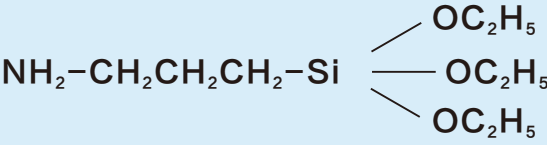
### 1.Brand Name & CAS Number

| Grade   | Company            | CAS No.  |
|---------|--------------------|----------|
| A-1100  | Momentive          | 919-30-2 |
| KBE-903 | Shin-Etsu Chemical |          |
| Z-6011  | Dow Inc            |          |
| AMEO    | Evonik             |          |

### 2.Chemical Name

3-Aminopropyltriethoxysilane

### 3.Molecular Formula



### 4.Properties

Colorless transparent liquid,b.p 217℃,flash point 96℃.  
Soluble in organic solvents such as alcohol,ether,esters,benzene,react with water.

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |    |    |
|--------------------------------------------|------------------------------|----|----|
| Assay(%)≥                                  | 97                           | 98 | 99 |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 0.940-0.946                  |    |    |
| Refractive index(nD <sup>25</sup> )        | 1.4185-1.4205                |    |    |

### 6.Application

Mainly used in organic polymer materials to improve the mechanical,electrical, water-resisting and anti-aging properties of products.Applicable polymer materials include: phenolic resin,epoxide resin,melamine resin,nylon,ethylene propylene diene rubber,polyurethane rubber etc.

### 7.Packing & Storage

In plastic drum,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.

# HX-902

## 硅烷偶联剂

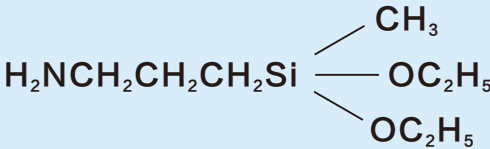
### 一、国外对应牌号及CAS号

| 牌号      | 生产商 | CAS号      |
|---------|-----|-----------|
| A-2100  | 迈图  | 3179-76-8 |
| KBE-902 | 信越  |           |
| Z-6015  | 道康宁 |           |
| 1505    | 赢创  |           |

### 二、化学名称

3-氨基丙基甲基二乙氧基硅烷

### 三、化学结构式



### 四、物理性质

本品为无色透明液体,沸点85-88℃,闪点 85℃。 , 溶于苯、乙酸乙酯, 与水反应。

### 五、技术规格

| 外观                                    | 无色透明液体        |    |
|---------------------------------------|---------------|----|
| 含量(%)≥                                | 97            | 98 |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 0.899~0.919   |    |
| 折射率(nD <sup>25</sup> )                | 1.4135~1.4335 |    |

### 六、用途

本品能增加有机材料对无机基底材料的粘接能力。是通用型的增粘剂。适应大多数有机及无机材料。 用作氨基改性硅油及多种有机硅超级柔软整理剂的原料。

### 七、包装与储运

塑料桶, 钢桶或IBC桶包装, 有5KG,10KG,25KG,200KG,1000KG等包装规格。  
密封储存于阴凉、干燥通风处, 防潮防水, 远离火种、热源。

# HX-902

## Silane Coupling Agent

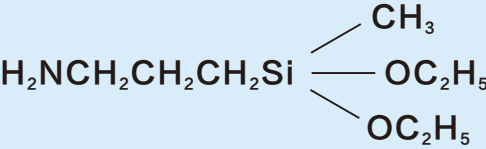
### 1.Brand Name & CAS Number

| Grade   | Company            | CAS No.   |
|---------|--------------------|-----------|
| A-2100  | Momentive          | 3179-76-8 |
| KBE-902 | Shin-Etsu Chemical |           |
| Z-6015  | Dow Inc            |           |
| 1505    | Evonik             |           |

### 2.Chemical Name

3-Aminopropylmethyldiethoxysilane

### 3.Molecular Formula



### 4.Properties

This product is a colorless transparent liquid, b.p85-88℃,Flash Point 85℃。  
Soluble in benzene, ethyl acetate, reaction with water。

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |    |
|--------------------------------------------|------------------------------|----|
| Assay(%)≥                                  | 97                           | 98 |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 0.899~0.919                  |    |
| Refractive index(nD <sup>25</sup> )        | 1.4135~1.4335                |    |

### 6.Application

This product can increase the bonding strength of organic materials to inorganic substrate materials.It is a universal viscosifier.Suitable for most organic and inorganic materials.Used as raw material for amino modified silicone oil and a variety of silicone super soft finishing agents.

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum  
packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.



# HX-903

## 硅烷偶联剂

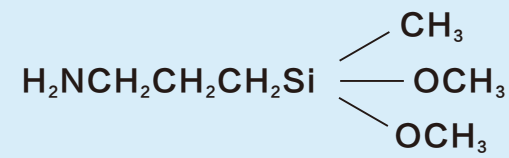
### 一、国外对应牌号及CAS号

| 牌号      | 生产商 | CAS号      |
|---------|-----|-----------|
| A-2110  | 迈图  | 3663-44-3 |
| KBM-902 | 信越  |           |
| /       | 道康宁 |           |
| /       | 赢创  |           |

### 二、化学名称

3-氨基丙基甲基二甲氧基硅烷

### 三、化学结构式



### 四、物理性质

本品为无色透明液体，溶于水。沸点200℃，闪点69℃。

### 五、技术规格

| 外观                                    | 无色透明液体        |    |
|---------------------------------------|---------------|----|
| 含量(%)≥                                | 97            | 98 |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 0.933~0.953   |    |
| 折射率(nD <sup>25</sup> )                | 1.4185~1.4385 |    |

### 六、用途

适应大多数有机及无机材料。用作氨基改性硅油及多种有机硅超级柔软整理剂的原料。

### 七、包装与储运

塑料桶，钢桶或IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。  
密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-903

## Silane Coupling Agent

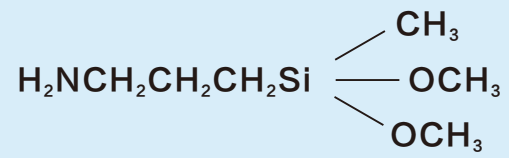
### 1.Brand Name & CAS Number

| Grade   | Company            | CAS No.   |
|---------|--------------------|-----------|
| A-2110  | Momentive          | 3663-44-3 |
| KBM-902 | Shin-Etsu Chemical |           |
| /       | Dow Inc            |           |
| /       | Evonik             |           |

### 2.Chemical Name

3-Aminopropylmethyldimethoxysilane

### 3.Molecular Formula



### 4.Properties

This product is colorless transparent liquid, soluble in water, b.p 200℃, Flash Point 69℃.

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |    |
|--------------------------------------------|------------------------------|----|
| Assay(%)≥                                  | 97                           | 98 |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 0.933~0.953                  |    |
| Refractive index(nD <sup>25</sup> )        | 1.4185~1.4385                |    |

### 6.Application

Suitable for most organic and inorganic materials.Used as raw material for amino modified silicone oil and a variety of silicone super soft finishing agents.

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.

# HX-792

## 硅烷偶联剂

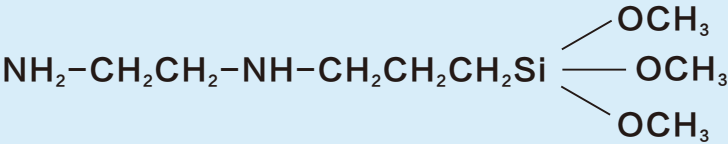
### 一、国外对应牌号及CAS号

| 牌号      | 生产商 | CAS号      |
|---------|-----|-----------|
| A-1120  | 迈图  | 1760-24-3 |
| KBM-603 | 信越  |           |
| Z-6020  | 道康宁 |           |
| DAMO    | 赢创  |           |

### 二、化学名称

N-2(氨乙基)-3-氨丙基三甲氧基硅烷

### 三、化学结构式



### 四、物理性质

无色或微黄色透明液体，沸点259° C，闪点128° C。溶于苯、乙酸乙酯，与水发生反应。

### 五、技术规格

| 外观                                    | 无色透明液体        |    |
|---------------------------------------|---------------|----|
| 含量(%)≥                                | 98            | 99 |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 1.006~1.026   |    |
| 折射率(nD <sup>25</sup> )                | 1.4370-1.4470 |    |

### 六、用途

本品是一种氨基型偶联剂，主要用于酚醛树脂、环氧树脂、三聚氰胺树脂、聚丙烯等，以改善树脂的相容性和润湿性，提高制品的透明度、湿润状态的物理机械性能和电性能，降低层压制品的吸水性，改善耐污染性等。也可用于聚氨酯橡胶、丁苯橡胶和三元乙丙橡胶等的偶联性。

### 七、包装与储运

塑料桶，钢桶或IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-792

## Silane Coupling Agent

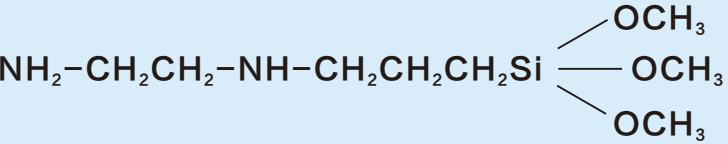
### 1.Brand Name & CAS Number

| Grade   | Company            | CAS No.   |
|---------|--------------------|-----------|
| A-1120  | Momentive          | 1760-24-3 |
| KBM-603 | Shin-Etsu Chemical |           |
| Z-6020  | Dow Inc            |           |
| DAMO    | Evonik             |           |

### 2.Chemical Name

N-(2-aminoethyl)-3-aminopropylmethyldiethoxysilane

### 3.Molecular Formula



### 4.Properties

This product is a colorless transparent liquid, b.p259° C,Flash Point 128° C。Soluble in benzene, ethyl acetate, reaction with water。

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |    |
|--------------------------------------------|------------------------------|----|
| Assay(%)≥                                  | 98                           | 99 |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 1.006~1.026                  |    |
| Refractive index(nD <sup>25</sup> )        | 1.4370-1.4470                |    |

### 6.Application

Mainly use in phenolic resin, epoxide resin, melamine resin, polypropylene etc. to improve intermiscibility and wettability, transparency and hydroscopicity of products. Also as coupling agent of polyurethane rubber, butadiene styrene rubber and ethylene propylene diene rubber etc.

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.



# HX-560

## 硅烷偶联剂

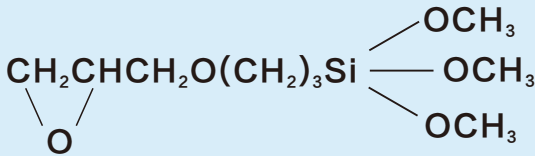
### 一、国外对应牌号及CAS号

| 牌号      | 生产商 | CAS号      |
|---------|-----|-----------|
| A-187   | 迈图  | 2530-83-8 |
| KBM-403 | 信越  |           |
| Z-6040  | 道康宁 |           |
| GLYMO   | 赢创  |           |

### 二、化学名称

3-(2,3-环氧丙氧)丙基三甲氧基硅基

### 三、化学结构式



### 四、物理性质

无色透明液体，沸点290° C，闪点111° C。  
溶于丙酮、苯、乙酸乙酯、四氯化碳，在水中水解。

### 五、技术规格

| 外观                                    | 无色透明液体        |    |
|---------------------------------------|---------------|----|
| 含量(%)≥                                | 97            | 98 |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 1.050-1.070   |    |
| 折射率(nD <sup>25</sup> )                | 1.4260-1.4280 |    |

### 六、用途

本品主要用于改善有机材料与无机材料表面的粘接性能，适用于不饱和聚酯、环氧树脂、三聚氰胺树脂、酚醛树脂等热固型树脂，也适用于聚氯乙烯、聚丙烯、聚乙烯、聚苯乙烯、聚碳酸酯、ABS树脂、尼龙等热塑型树脂，可提高制品的机械和电气性能。另外，还可改善胶粘剂的粘接强度，提高填充白炭黑的硫化丁苯橡胶和三元乙丙橡胶的物理力学性能。

### 七、包装与储运

塑料桶，钢桶或IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-560

## Silane Coupling Agent

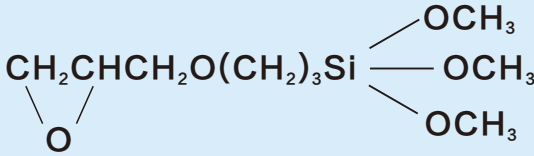
### 1.Brand Name & CAS Number

| Grade   | Company            | CAS No.   |
|---------|--------------------|-----------|
| A-187   | Momentive          | 2530-83-8 |
| KBM-403 | Shin-Etsu Chemical |           |
| Z-6040  | Dow Inc            |           |
| GLYMO   | Evonik             |           |

### 2.Chemical Name

3-(2,3-epoxypropoxy)propyltrimethoxysilane

### 3.Molecular Formula



### 4.Properties

Colorless transparent liquid,b.p 290° C,flash point111° C,Soluble in acetone.benzene. ethyl acetate.carbon tetrachloride.can be hydrolyzed in water.

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |    |
|--------------------------------------------|------------------------------|----|
| Assay(%)≥                                  | 97                           | 98 |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 1.050-1.070                  |    |
| Refractive index(nD <sup>25</sup> )        | 1.4260-1.4280                |    |

### 6.Application

Suitable for unsaturated polyester,epoxy resin, melamine resin, phenolic resin, ppoluvinyl chloride,polypropylene,PE,etc.To improve mechanical and electrical properties of products.

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.

# HX-570

## 硅烷偶联剂

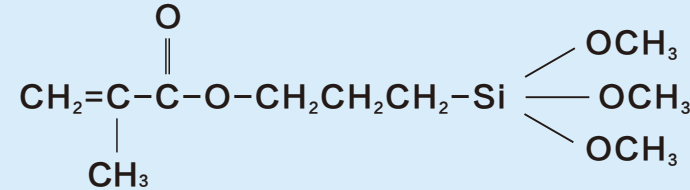
### 一、国外对应牌号及CAS号

| 牌号      | 生产商 | CAS号      |
|---------|-----|-----------|
| A-174   | 迈图  | 2530-85-0 |
| KBM-503 | 信越  |           |
| Z-6030  | 道康宁 |           |
| MEMO    | 赢创  |           |

### 二、化学名称

3-(甲基丙烯酰氧基)丙基三甲氧基硅烷

### 三、化学结构式



### 四、物理性质

无色或微黄色透明液体，沸点255℃，闪点88℃。  
溶于丙酮、苯、乙酸乙酯、四氯化碳，不溶于水。在酸性溶液里水解。

### 五、技术规格

| 外观                                    | 无色或微黄色透明液体    |    |
|---------------------------------------|---------------|----|
| 含量(%)≥                                | 98            | 99 |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 1.035-1.045   |    |
| 折射率(nD <sup>25</sup> )                | 1.4285-1.4300 |    |

### 六、用途

本品主要用于不饱和聚酯、环氧树脂、聚氯乙烯、聚丙烯、聚乙烯、聚苯乙烯、ABS树脂，苯乙烯-丙烯腈共聚物中，可显著改善润湿状态时的物理力学性能和电性能，提高透光性。

### 七、包装与储运

塑料桶，钢桶或者IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-570

## Silane Coupling Agent

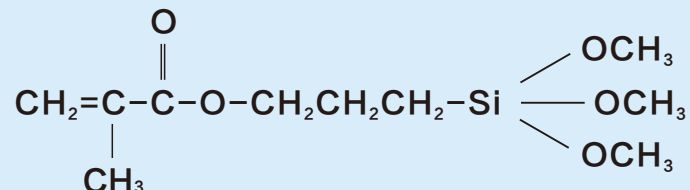
### 1.Brand Name & CAS Number

| Grade   | Company            | CAS No.   |
|---------|--------------------|-----------|
| A-174   | Momentive          | 2530-85-0 |
| KBM-503 | Shin-Etsu Chemical |           |
| Z-6030  | Dow Inc            |           |

### 2.Chemical Name

3-Methacryloyloxy propyltrimethoxysilane

### 3.Molecular Formula



### 4.Properties

Colorless or light yellow transparent liquid, b.p255℃, flash point 88℃.  
Soluble in acetone, benzene, ethyl acetate, carbon tetrachloride, insoluble in water, can be hydrolyzed in acid solution.

### 5.Technical Spec.

| Appearance                                 | Colorless or light yellow transparent liquid |    |
|--------------------------------------------|----------------------------------------------|----|
| Assay(%)≥                                  | 98                                           | 99 |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 1.035-1.045                                  |    |
| Refractive index(nD <sup>25</sup> )        | 1.4285-1.4300                                |    |

### 6.Application

1. Improve the adhesive property of resin and mineral filler
2. Promote the moisture properties of resin
3. Improve the tensile &bending strength and bending elastic modulus

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.



# HX-571

## 硅烷偶联剂

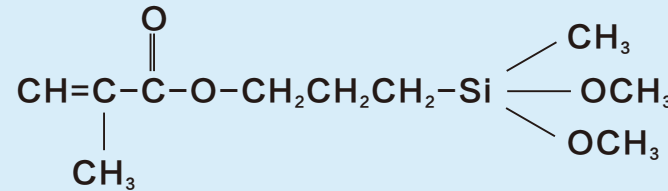
### 一、国外对应牌号及CAS号

| 牌号      | 生产商 | CAS号       |
|---------|-----|------------|
| /       | 迈图  | 14513-34-9 |
| KBM-502 | 信越  |            |
| Z-6033  | 道康宁 |            |
| /       | 赢创  |            |

### 二、化学名称

3-(甲基丙烯酰氧基)丙基甲基二甲氧基硅烷

### 三、化学结构式



### 四、物理性质

本品为无色透明液体，沸点65℃，闪点91.4℃，易溶于多种有机溶剂中，易水解，缩合形成聚硅氧烷，过热，光照、过氧化物存在下易聚合。

### 五、技术规格

| 外观                                    | 无色透明液体        |
|---------------------------------------|---------------|
| 含量(%)≥                                | 98            |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 0.990~1.010   |
| 折射率(nD <sup>25</sup> )                | 1.4295-1.4395 |

### 六、用途

作为补强剂和交联促进剂广泛用于复合材料、涂层、油墨、胶水、和密封材料等，还可以用作树脂改性添加剂和酶固定剂。

### 七、包装与储运

塑料桶，钢桶或IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-571

## Silane Coupling Agent

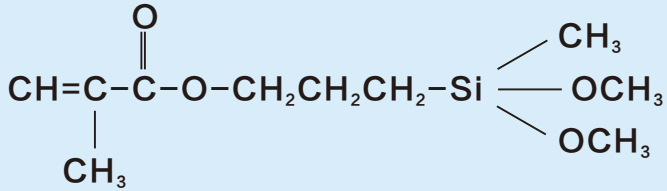
### 1.Brand Name & CAS Number

| Grade   | Company            | CAS No.    |
|---------|--------------------|------------|
| /       | Momentive          | 14513-34-9 |
| KBM-502 | Shin-Etsu Chemical |            |
| Z-6033  | Dow Inc            |            |
| /       | Evonik             |            |

### 2.Chemical Name

3-Methacryloxypropylmethyldimethoxysilane

### 3.Molecular Formula



### 4.Properties

This product is a colorless transparent liquid, b.p 65℃,Flash Point 91.4℃,easy to dissolve in a variety of organic solvents, easy to hydrolyze, polysiloxane is formed by condensation, easy polymerization in the presence of overheating, light and peroxide.

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |
|--------------------------------------------|------------------------------|
| Assay(%)≥                                  | 98                           |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 0.990~1.010                  |
| Refractive index(nD <sup>25</sup> )        | 1.4295-1.4395                |

### 6.Application

It is widely used as reinforcing agent and cross-linking promoter in composite material, coating, ink, glue, sealing material etc. It can also be used as resin modification additive and enzyme fixative.

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.

# HX-572

## 硅烷偶联剂

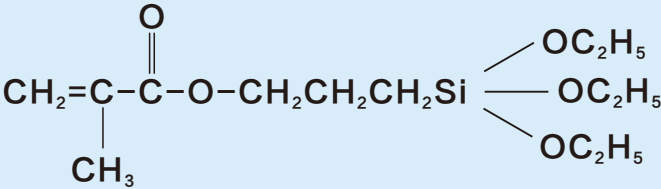
### 一、国外对应牌号及CAS号

| 牌号      | 生产商 | CAS号       |
|---------|-----|------------|
| Y-11878 | 迈图  | 21142-29-0 |
| KBE-503 | 信越  |            |
| Z-6036  | 道康宁 |            |
| /       | 赢创  |            |

### 二、化学名称

3-(甲基丙烯酰氧基)丙基三乙氧基硅烷

### 三、化学结构式



### 四、物理性质

无色或微黄色透明液体，沸点130° C，闪点128° C。可溶于乙醇、乙丙醇、丙酮、苯、甲苯、二甲苯

### 五、技术规格

| 外观                                    | 无色透明液体        |    |
|---------------------------------------|---------------|----|
| 含量(%)≥                                | 98            | 99 |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 0.980~0.990   |    |
| 折射率(nD <sup>25</sup> )                | 1.4210-1.4310 |    |

### 六、用途

使两种材料偶联，提高制品机械强度，复合材料电性能、耐候和耐蚀性，适用于不饱和聚酯、丙烯酸酯粘合剂。

### 七、包装与储运

塑料桶，钢桶或IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-572

## Silane Coupling Agent

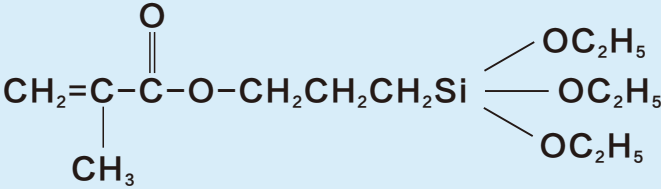
### 1.Brand Name & CAS Number

| Grade   | Company            | CAS No.    |
|---------|--------------------|------------|
| Y-11878 | Momentive          | 21142-29-0 |
| KBE-503 | Shin-Etsu Chemical |            |
| Z-6036  | Dow Inc            |            |
| /       | Evonik             |            |

### 2.Chemical Name

3-Methacryloxypropyltriethoxysilane

### 3.Molecular Formula



### 4.Properties

This product is a colorless transparent liquid, b.p130° C,Flash Point 128° C.Soluble in ethanol, propanol, acetone, benzene, toluene, xylene.

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |    |
|--------------------------------------------|------------------------------|----|
| Assay(%)≥                                  | 98                           | 99 |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 0.980~0.990                  |    |
| Refractive index(nD <sup>25</sup> )        | 1.4210-1.4310                |    |

### 6.Application

Coupling the two materials to improve the mechanical strength of the product, as well as the electrical properties, weather resistance, and corrosion resistance of composite materials, suitable for unsaturated polyester and acrylic ester adhesives.

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.



# HX-573

## 硅烷偶联剂

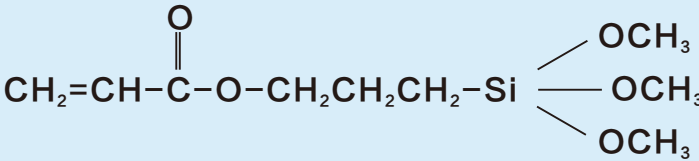
### 一、国外对应牌号及CAS号

| 牌号       | 生产商 | CAS号      |
|----------|-----|-----------|
| /        | 迈图  | 4369-14-6 |
| KBM-5103 | 信越  |           |
| Z-6530   | 道康宁 |           |
| /        | 赢创  |           |

### 二、化学名称

3-（丙烯酰氧基）丙基三甲氧基硅烷

### 三、化学结构式



### 四、物理性质

本品为无色透明液体，沸点240℃，闪点82.3℃，易溶于多种有机溶剂中，易水解，缩合形成聚硅氧烷，过热，光照、过氧化物存在下易聚合。

### 五、技术规格

| 外观                                    | 无色透明液体        |
|---------------------------------------|---------------|
| 含量(%)≥                                | 98            |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 1.046~1.066   |
| 折射率(nD <sup>25</sup> )                | 1.4160-1.4360 |

### 六、用途

用于RTV树脂和混合硅烷交联密封胶，多硫化物密封剂，塑胶密封剂,玻璃纤维、胶粘剂、MS杂化胶等行业。提高复合材料的电气化性能、物理性能，增加干湿态的物理强度。

### 七、包装与储运

塑料桶，钢桶或IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-573

## Silane Coupling Agent

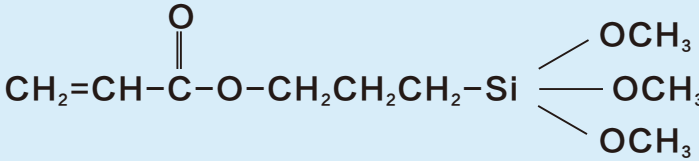
### 1.Brand Name & CAS Number

| Grade    | Company            | CAS No.   |
|----------|--------------------|-----------|
| /        | Momentive          | 4369-14-6 |
| KBM-5103 | Shin-Etsu Chemical |           |
| Z-6530   | Dow Inc            |           |
| /        | Evonik             |           |

### 2.Chemical Name

3-Acryloxypropyltrimethoxysilane

### 3.Molecular Formula



### 4.Properties

This product is a colorless transparent liquid, b.p 240℃,Flash Point 82.3℃,easy to dissolve in a variety of organic solvents, easy to hydrolyze, polysiloxane is formed by condensation, easy polymerization in the presence of overheating, light and peroxide.

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |
|--------------------------------------------|------------------------------|
| Assay(%)≥                                  | 98                           |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 1.046~1.066                  |
| Refractive index(nD <sup>25</sup> )        | 1.4160-1.4360                |

### 6.Application

Used in RTV resin and mixed silane crosslinking sealant, polysulfide sealant, plastic sealant, glass fiber, adhesive, MS hybrid adhesive and other industries.Improve the electrification performance and physical properties of composite materials, and increase the physical strength of dry and wet states.

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.

# HX-580

## 硅烷偶联剂

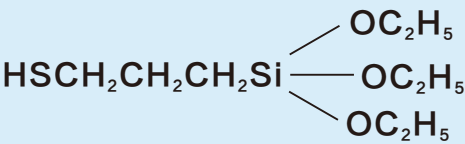
### 一、国外对应牌号及CAS号

| 牌号     | 生产商 | CAS号       |
|--------|-----|------------|
| A-1891 | 迈图  | 14814-09-6 |
| /      | 信越  |            |
| Z-6911 | 道康宁 |            |
| MTEO   | 赢创  |            |

### 二、化学名称

3-巯丙基三乙氧基硅烷

### 三、化学结构式



### 四、物理性质

无色透明液体，沸点210° C。溶于苯、乙酸乙酯、四氯化碳等，在酸碱性条件下水解。

### 五、技术规格

| 外观                                    | 无色透明液体        |    |
|---------------------------------------|---------------|----|
| 含量(%)≥                                | 97            | 98 |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 0.970~0.990   |    |
| 折射率(nD <sup>25</sup> )                | 1.4300-1.4400 |    |

### 六、用途

本品常用于处理SiO<sub>2</sub>、炭黑等无机填料，在橡胶、硅橡胶、玻璃纤维、涂料、密封胶等聚合物中起活化剂、偶联剂、交联剂、补强剂的作用。

### 七、包装与储运

塑料桶，钢桶或IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-580

## Silane Coupling Agent

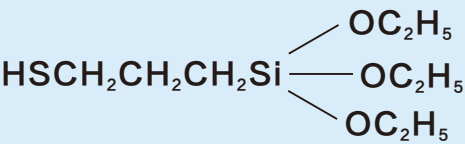
### 1.Brand Name & CAS Number

| Grade  | Company            | CAS No.    |
|--------|--------------------|------------|
| A-1891 | Momentive          | 14814-09-6 |
| /      | Shin-Etsu Chemical |            |
| Z-6911 | Dow Inc            |            |
| MTEO   | Evonik             |            |

### 2.Chemical Name

3-Mercaptopropyltriethoxysilane

### 3.Molecular Formula



### 4.Properties

Colorless transparent liquid, b.p210° C.Soluble in benzene, ethyl acetate, carbon tetrachloride,can be hydrolyzed in acid and alkali conditions。

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |    |
|--------------------------------------------|------------------------------|----|
| Assay(%)≥                                  | 97                           | 98 |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 0.970~0.990                  |    |
| Refractive index(nD <sup>25</sup> )        | 1.4300-1.4400                |    |

### 6.Application

This products commonly used in the treatment of SiO<sub>2</sub>, carbon black and other inorganic filler.Used as activating agent, coupling agent, crosslinking agent, reinforcing agent in polymer include rubber,silicone rubber,glass fiber,coating ,sealant.

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.

# HX-590

## 硅烷偶联剂

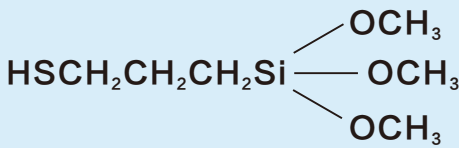
### 一、国外对应牌号及CAS号

| 牌号      | 生产商 | CAS号      |
|---------|-----|-----------|
| A-189   | 迈图  | 4420-74-0 |
| KBM-803 | 信越  |           |
| Z-6062  | 道康宁 |           |
| MTMO    | 赢创  |           |

### 二、化学名称

3-巯丙基三甲氧基硅烷

### 三、化学结构式



### 四、物理性质

无色透明液体，沸点93° C。在酸碱性条件下水解。

### 五、技术规格

| 外观                                    | 无色透明液体        |    |
|---------------------------------------|---------------|----|
| 含量(%)≥                                | 97            | 98 |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 1.048~1.058   |    |
| 折射率(nD <sup>25</sup> )                | 1.4362-1.4462 |    |

### 六、用途

本品常用于处理SiO<sub>2</sub>、炭黑等无机填料，在橡胶、硅橡胶、涂料等聚合物中起活化剂、偶联剂、交联剂、补强剂的作用。

### 七、包装与储运

塑料桶，钢桶或IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-590

## Silane Coupling Agent

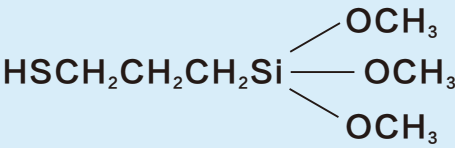
### 1.Brand Name & CAS Number

| Grade   | Company            | CAS No.   |
|---------|--------------------|-----------|
| A-189   | Momentive          | 4420-74-0 |
| KBM-803 | Shin-Etsu Chemical |           |
| Z-6062  | Dow Inc            |           |
| MTMO    | Evonik             |           |

### 2.Chemical Name

3-Mercaptopropyltrimethoxysilane

### 3.Molecular Formula



### 4.Properties

Colorless transparent liquid, b.p93° C, can be hydrolyzed in acid and alkali conditions.

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |    |
|--------------------------------------------|------------------------------|----|
| Assay(%)≥                                  | 97                           | 98 |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 1.048~1.058                  |    |
| Refractive index(nD <sup>25</sup> )        | 1.4362-1.4462                |    |

### 6.Application

This products commonly used in the treatment of SiO<sub>2</sub>, carbon black and other inorganic filler.Used as activating agent, coupling agent, crosslinking agent, reinforcing agent in polymer include rubber,silicone rubber,coating etc.

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.



# HX-591

## 硅烷偶联剂

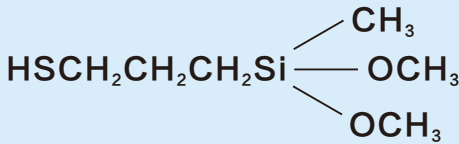
### 一、国外对应牌号及CAS号

| 牌号      | 生产商 | CAS号       |
|---------|-----|------------|
| /       | 迈图  | 31001-77-1 |
| KBM-802 | 信越  |            |
| /       | 道康宁 |            |
| /       | 赢创  |            |

### 二、化学名称

3-巯丙基甲基二甲氧基硅烷

### 三、化学结构式



### 四、物理性质

无色透明液体，沸点96° C。在酸碱性条件下水解。

### 五、技术规格

| 外观                                    | 无色透明液体        |    |
|---------------------------------------|---------------|----|
| 含量(%)≥                                | 97            | 98 |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 0.990~1.000   |    |
| 折射率(nD <sup>25</sup> )                | 1.4424-1.4524 |    |

### 六、用途

- 1.适用于硫磺硫化和金属氧化物硫化体系的弹性体，能将无机填料（如白炭黑、陶土、云母等）跟橡胶化学键结合起来。从而提高无机填料增强弹性体的机械性能。
- 2.可用作附着力促进剂、表面改性剂、交联剂、分散剂，主要用于提高无机矿物粉体材料、纤维对高分子聚合物（树脂）的结合力、相容性和树脂层对无机基材的附着力、耐水性。
- 3.适用的树脂包括丙烯酸树脂、聚氨酯、天然橡胶、丁基橡胶、丁腈橡胶、氯丁橡胶、聚硫橡胶。

### 七、包装与储运

塑料桶，钢桶或IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-591

## Silane Coupling Agent

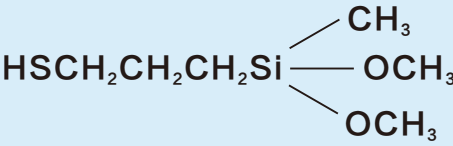
### 1.Brand Name & CAS Number

| Grade   | Company            | CAS No.    |
|---------|--------------------|------------|
| /       | Momentive          | 31001-77-1 |
| KBM-802 | Shin-Etsu Chemical |            |
| /       | Dow Inc            |            |
| /       | Evonik             |            |

### 2.Chemical Name

3-Mercaptopropylmethyldimethoxysilane

### 3.Molecular Formula



### 4.Properties

Colorless transparent liquid, b.p96° C,can be hydrolyzed in acid and alkali conditions。

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |    |
|--------------------------------------------|------------------------------|----|
| Assay(%)≥                                  | 97                           | 98 |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 0.990~1.000                  |    |
| Refractive index(nD <sup>25</sup> )        | 1.4424-1.4524                |    |

### 6.Application

1. Suitable for sulfur vulcanization and metal oxide vulcanization system of elastomer, can be inorganic filler (such as white carbon black, clay, mica, etc.) and rubber chemical bond together. Thus improving the mechanical properties of the inorganic filler.
2. Can be used as adhesion enhancer, surface modifier, crosslinking agent, dispersant, mainly used to improve inorganic mineral powder materials, fiber to polymer (resin) binding force, compatibility and resin layer adhesion to inorganic substrate, water resistance.
3. Applicable resins include acrylic resin, polyurethane, natural rubber, butyl rubber, nitrile rubber, neoprene rubber, polysulfide rubber.

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.

# HX-396

## 硅烷偶联剂

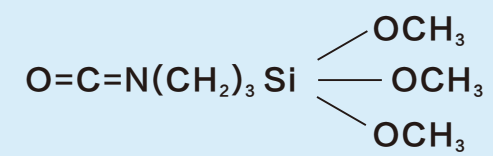
### 一、国外对应牌号及CAS号

| 牌号       | 生产商 | CAS号       |
|----------|-----|------------|
| A-Link35 | 迈图  | 15396-00-6 |
| KBM-9007 | 信越  |            |
| /        | 道康宁 |            |
| DF40     | 瓦克  |            |

### 二、化学名称

3-异氰酸酯基丙基三甲氧基硅烷

### 三、化学结构式



### 四、物理性质

无色透明液体，闪点96℃。

### 五、技术规格

| 外观                                    | 无色透明液体        |
|---------------------------------------|---------------|
| 含量(%)≥                                | 98            |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 1.023-1.123   |
| 折射率(nD <sup>25</sup> )                | 1.4145-1.4245 |

### 六、用途

该产品是一种带有异氰酸酯基官能团的硅烷，该产品在粘合剂和密封剂中作为交联剂和助粘剂使用。可以粘附于各种基底，常见的和不常见的；出众的湿性粘附性能在玻璃、金属和其他无机基底上；还可以较好的粘附于难以粘附的基底，如尼龙和其他塑料产品。在大气湿度存在下可以快速水解，且具有非常好的热稳定性、化学稳定性和UV稳定性。  
适合的聚合物：丙烯酸类、硅树脂类(Si)、PU-预聚物等。

### 七、包装与储运

塑料桶，钢桶或IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-396

## Silane Coupling Agent

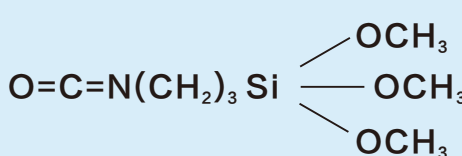
### 1.Brand Name & CAS Number

| Grade    | Company            | CAS No.    |
|----------|--------------------|------------|
| A-Link35 | Momentive          | 15396-00-6 |
| KBM-9007 | Shin-Etsu Chemical |            |
| /        | Dow Inc            |            |
| DF40     | Wacker             |            |

### 2.Chemical Name

3-Isocyanatopropyltrimethoxysilane

### 3.Molecular Formula



### 4.Properties

This product is a colorless transparent liquid,Flash point 96℃.

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |
|--------------------------------------------|------------------------------|
| Assay(%)≥                                  | 98                           |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 1.023-1.123                  |
| Refractive index(nD <sup>25</sup> )        | 1.4145-1.4245                |

### 6.Application

The product is a silane with an isocyanate-based functional group and is used as a cross-linker and adhesive aid in adhesives and sealants.Adhere to a variety of substrates with common and uncommon.Superior wet adhesion properties on glass, metal and other inorganic substrates.Good adhesion to adhere to the base also, such as nylon and other plastic products.It can be hydrolyzed rapidly in the presence of atmospheric humidity, and has very good thermal, chemical and UV stability.Suitable polymers: acrylic acid、silicone (Si)、PU- prepolymer and etc.

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.

# HX-801

## 硅烷偶联剂

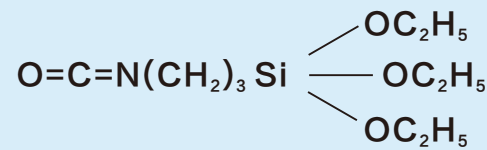
### 一、国外对应牌号及CAS号

| 牌号       | 生产商 | CAS号       |
|----------|-----|------------|
| A-Link25 | 迈图  | 24801-88-5 |
| KBE-9007 | 信越  |            |
| /        | 道康宁 |            |
| /        | 瓦克  |            |

### 二、化学名称

3-异氰酸酯基丙基三乙氧基硅烷

### 三、化学结构式



### 四、物理性质

无色透明液体，闪点96℃。

### 五、技术规格

| 外观                                    | 无色透明液体        |
|---------------------------------------|---------------|
| 含量(%)≥                                | 98            |
| 密度(p <sup>25</sup> )g/cm <sup>3</sup> | 0.950-1.050   |
| 折射率(nD <sup>25</sup> )                | 1.4125-1.4225 |

### 六、用途

该产品应用于乙烯-醋酸乙烯共聚物、氯化聚乙烯、乙烯-丙烯酸-乙酯共聚物的交联。异氰酸酯基丙基三乙氧基硅烷 ( IPTS ) 适用于聚酸树脂，环氧树脂，酚醛树脂，三聚氰胺甲醛树脂，尼龙、聚砜等玻璃钢材料。

### 七、包装与储运

塑料桶，钢桶或IBC桶包装，有5KG,10KG,25KG,200KG,1000KG等包装规格。密封储存于阴凉、干燥通风处，防潮防水，远离火种、热源。

# HX-801

## Silane Coupling Agent

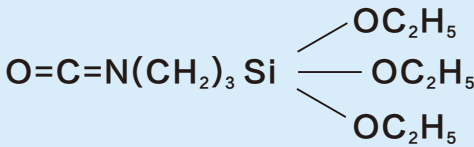
### 1.Brand Name & CAS Number

| Grade    | Company            | CAS No.    |
|----------|--------------------|------------|
| A-Link25 | Momentive          | 24801-88-5 |
| KBE-9007 | Shin-Etsu Chemical |            |
| /        | Dow Inc            |            |
| /        | Wacker             |            |

### 2.Chemical Name

3-Isocyanatopropyltriethoxysilane

### 3.Molecular Formula



### 4.Properties

This product is a colorless transparent liquid.Flash point 96℃.

### 5.Technical Spec.

| Appearance                                 | colorless transparent liquid |
|--------------------------------------------|------------------------------|
| Assay(%)≥                                  | 98                           |
| Density(p <sup>25</sup> )g/cm <sup>3</sup> | 0.950-1.050                  |
| Refractive index(nD <sup>25</sup> )        | 1.4125-1.4225                |

### 6.Application

The product is suitable for cross-linking ethylene - vinyl acetate copolymer, chlorinated polyethylene, ethylene - acrylic - ethyl vinegar copolymer.Isocyanatepropyltriethoxysilane ( IPTS ) is suitable for polyacid resin, epoxy resin, phenolic resin, melamine formaldehyde resin, nylon, polysulfone and other FRP materials.

### 7.Packing & Storage

In plastic drum ,steel drum or IBC drum,W.t 5KG,10KG,25KG,200KG,1000KG/drum packing specifications.Closed tight in cool,dry and draught place,avoid dampness and water,away from fire and heat source.



产品列表

Product List

氨基类

| 化学名称                 | 产品型号   | 国外对应牌号 |         |        |      | CAS        |
|----------------------|--------|--------|---------|--------|------|------------|
|                      |        | 迈图     | 信越      | 道康宁    | 赢创   |            |
| 3-氨丙基三甲氧基硅烷          | HX-540 | A-1110 | KBM-903 | Z-6610 | AMMO | 13822-56-5 |
| 3-氨丙基三乙氧基硅烷          | HX-550 | A-1100 | KBE-903 | Z-6011 | AMEO | 919-30-2   |
| 3-氨丙基甲基二乙氧基硅烷        | HX-902 | A-2100 | KBE-902 | Z-6015 | 1505 | 3179-76-8  |
| 3-氨丙基甲基二甲氧基硅烷        | HX-903 | A-2110 | KBM-902 | /      | /    | 3663-44-3  |
| N-2(氨乙基)-3-氨丙基三甲氧基硅烷 | HX-792 | A-1120 | KBM-603 | Z-6020 | DAMO | 1760-24-3  |

环氧基类

| 化学名称                 | 产品型号   | 国外对应牌号 |         |        |       | CAS       |
|----------------------|--------|--------|---------|--------|-------|-----------|
|                      |        | 迈图     | 信越      | 道康宁    | 赢创    |           |
| 3-(2,3-环氧丙氧)丙基三甲氧基硅基 | HX-560 | A-187  | KBM-403 | Z-6040 | GLYMO | 2530-83-8 |

酰氧类

| 化学名称                  | 产品型号   | 国外对应牌号  |          |        |      | CAS        |
|-----------------------|--------|---------|----------|--------|------|------------|
|                       |        | 迈图      | 信越       | 道康宁    | 赢创   |            |
| 3-(甲基丙烯酰氧基)丙基三甲氧基硅烷   | HX-570 | A-174   | KBM-503  | Z-6030 | MEMO | 2530-85-0  |
| 3-(甲基丙烯酰氧基)丙基甲基二甲氧基硅烷 | HX-571 | /       | KBM-502  | Z-6033 | /    | 14513-34-9 |
| 3-(丙烯酰氧基)丙基三甲氧基硅烷     | HX-572 | Y-11878 | KBE-503  | Z-6036 | /    | 21142-29-0 |
| 3-(丙烯酰氧基)丙基三甲氧基硅烷     | HX-573 | /       | KBM-5103 | Z-6530 | /    | 4369-14-6  |

巯基硅烷

| 化学名称          | 产品型号   | 国外对应牌号 |         |        |      | CAS        |
|---------------|--------|--------|---------|--------|------|------------|
|               |        | 迈图     | 信越      | 道康宁    | 赢创   |            |
| 3-巯丙基三乙氧基硅烷   | HX-580 | A-1891 | /       | Z-6911 | MTEO | 14814-09-6 |
| 3-巯丙基三甲氧基硅烷   | HX-590 | A-189  | KBM-803 | Z-6062 | MTMO | 4420-74-0  |
| 3-巯丙基甲基二甲氧基硅烷 | HX-591 | /      | KBM-802 | /      | /    | 31001-77-1 |

异氰酸酯硅烷类

| 化学名称            | 产品型号   | 国外对应牌号   |    |     |      | CAS        |
|-----------------|--------|----------|----|-----|------|------------|
|                 |        | 迈图       | 信越 | 道康宁 | 瓦克   |            |
| 3-异氰酸酯基丙基三甲氧基硅烷 | HX-396 | A-LINK35 | /  | /   | DF40 | 15396-00-6 |
| 3-异氰酸酯基丙基三乙氧基硅烷 | HX-801 | A-LINK25 | /  | /   | /    | 24801-88-5 |

产品列表

Product List

Amino silane

| Name                                               | Product Code | The Equivalent Products to Other Manufactures |                    |         |        | CAS        |
|----------------------------------------------------|--------------|-----------------------------------------------|--------------------|---------|--------|------------|
|                                                    |              | Momentive                                     | Shin-Etsu Chemical | Dow Inc | Evonik |            |
| 3-Aminopropyltrimethoxysilane                      | HX-540       | HX-1110                                       | HX-903             | HX-6610 | AMMO   | 13822-56-5 |
| 3-Aminopropyltriethoxysilane                       | HX-550       | HX-1100                                       | HX-903             | HX-6011 | AMEO   | 919-30-2   |
| 3-Aminopropylmethyldiethoxysilane                  | HX-902       | A-2100                                        | KBE-902            | Z-6015  | 1505   | 3179-76-8  |
| 3-Aminopropylmethyldimethoxysilane                 | HX-903       | A-2110                                        | KBM-902            | /       | /      | 3663-44-3  |
| N-(2-aminoethyl)-3-aminopropylmethyldiethoxysilane | HX-792       | A-1120                                        | KBM-603            | Z-2060  | DAMO   | 1760-24-3  |

Epoxy silane

| Name                                       | Product Code | The Equivalent Products to Other Manufactures |                    |         |        | CAS       |
|--------------------------------------------|--------------|-----------------------------------------------|--------------------|---------|--------|-----------|
|                                            |              | Momentive                                     | Shin-Etsu Chemical | Dow Inc | Wacker |           |
| 3-(2,3-epoxypropoxy)propyltrimethoxysilane | HX-560       | A-187                                         | KBM-403            | Z-6040  | GLYMO  | 2530-83-8 |

Acyl silane

| Name                                      | Product Code | The Equivalent Products to Other Manufactures |                    |         |        | CAS        |
|-------------------------------------------|--------------|-----------------------------------------------|--------------------|---------|--------|------------|
|                                           |              | Momentive                                     | Shin-Etsu Chemical | Dow Inc | Evonik |            |
| 3-Methacryloyloxy propyltrimethoxysilane  | HX-570       | A-174                                         | KBM-503            | Z-6030  | MEMO   | 2530-85-0  |
| 3-Methacryloxypropylmethyldimethoxysilane | HX-571       | /                                             | KBM-502            | Z-6033  | /      | 14513-34-9 |
| 3-Methacryloxypropyltriethoxysilane       | HX-572       | Y-11878                                       | KBE-503            | Z-6036  | /      | 21142-29-0 |
| 3-Acryloxypropyltrimethoxysilane          | HX-573       | /                                             | KBM-5103           | Z-6530  | /      | 4369-14-6  |

Mercapto Silane

| Name                                  | Product Code | The Equivalent Products to Other Manufactures |                    |         |        | CAS        |
|---------------------------------------|--------------|-----------------------------------------------|--------------------|---------|--------|------------|
|                                       |              | Momentive                                     | Shin-Etsu Chemical | Dow Inc | Evonik |            |
| 3-Mercaptopropyltriethoxysilane       | HX-580       | A-1891                                        | /                  | Z-6911  | MTEO   | 14814-09-6 |
| 3-Mercaptopropyltrimethoxysilane      | HX-590       | A-189                                         | KBM-803            | Z-6062  | MTMO   | 4420-74-0  |
| 3-Mercaptopropylmethyldimethoxysilane | HX-591       | /                                             | KBM-802            | /       | /      | 31001-77-1 |

Isocyanates silane

| Name                               | Product Code | The Equivalent Products to Other Manufactures |                    |         |        | CAS        |
|------------------------------------|--------------|-----------------------------------------------|--------------------|---------|--------|------------|
|                                    |              | Momentive                                     | Shin-Etsu Chemical | Dow Inc | Wacker |            |
| 3-Isocyanatopropyltrimethoxysilane | HX-396       | A-LINK35                                      | /                  | /       | DF40   | 15396-00-6 |
| 3-Isocyanatopropyltriethoxysilane  | HX-801       | A-LINK25                                      | /                  | /       | /      | 24801-88-5 |

技术应用  
Application

粘合剂和硅酮密封胶

硅烷可以提高许多硅酮密封胶和粘合剂在金属、玻璃、石材等无机底材上的粘合性。

|           |          |        |
|-----------|----------|--------|
| ◆初期的粘合力   | ◆耐化学腐蚀性  | ◆耐磨损性  |
| ◆持久粘接力    | ◆抗撕裂强度   | ◆包装稳定性 |
| ◆耐湿性      | ◆断裂伸长率   | ◆固化均匀性 |
| ◆耐温性      | ◆抗应力开裂性能 | ◆填料分散性 |
| ◆填料与树脂的粘结 | ◆基材强度    |        |

玻璃纤维与复合材料

硅烷偶联剂可以给玻璃纤维增强复合物带来显著的不同，玻纤非常亲水，可将水吸引到界面上。如果表面未经硅烷偶联剂处理，玻璃纤维与树脂之间的粘接就会逐渐减弱，甚至最终失效。

|           |            |
|-----------|------------|
| ◆提高韧性     | ◆纤维束的保护与处理 |
| ◆易于加工     | ◆防开裂和毛刺    |
| ◆玻璃纤维的润湿  | ◆低温性能      |
| ◆玻纤与树脂的粘结 | ◆电气性能      |
| ◆复合材料强度   | ◆耐温变性      |

涂料

硅烷偶联剂可以在无机和有机化合物之间形成共价键。硅氧烷(Si-O-Si)键固有的稳定性使得这种技术成为高性能涂料中的一个关键部分。

|               |             |
|---------------|-------------|
| ◆提高韧性         | ◆提高热稳定性与耐久性 |
| ◆提高颜料与填料的分散   | ◆提高流动性      |
| ◆提高抗水性，耐化学腐蚀性 |             |
| ◆提高粘合性与附着力    | ◆提高耐紫外线老化   |

塑料、聚合物与橡胶

硅烷偶联剂可用于将无机填料和颜料粘接到聚合物上，优化聚丙烯制造，聚乙烯的交联以及生产热塑性硫化橡胶(TPVS)。此外，其还可用于生产“绿色”轮胎所用的白炭黑补强橡胶。

|           |          |        |
|-----------|----------|--------|
| ◆提高韧性     | ◆耐磨损性    | ◆包装稳定性 |
| ◆易于加工     | ◆抗应力开裂性能 | ◆基材强度  |
| ◆耐温性      | ◆低温性能    | ◆填料分散性 |
| ◆填料与树脂的粘结 | ◆电气性能    |        |

技术应用  
Application

Adhesive and silicone sealant

Silane can improve the adhesion of many silicone sealants and adhesives in metal, glass, stone and other inorganic substrates.

|                             |                             |                         |
|-----------------------------|-----------------------------|-------------------------|
| ◆Initial adhesive force     | ◆Chemical Resistance        | ◆Abrasion resistance    |
| ◆Long lasting adhesion      | ◆Tearing strength           | ◆Stability of packaging |
| ◆Wet resistance             | ◆Elongation at break        | ◆Uniformity of curing   |
| ◆Temperature resistance     | ◆Stress cracking resistance | ◆Dispersion of filler   |
| ◆Bonding of filler to resin | ◆Substrate strength         |                         |

Fiberglass and composite materials

Silane coupling agents can make a significant difference in glass-fiber reinforced complexes, Fiberglass are very hydrophilic and attract water to the interface.If the surface is not treated with silane coupling agent, the bond between the glass fiber and the resin will weaken gradually ,and fail eventually .

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| ◆Improve the toughness           | ◆Protection and treatment of fiber bundles |
| ◆Easy processing                 | ◆Prevent cracking and burrs                |
| ◆Wetting of fiberglass           | ◆Cryogenic performance                     |
| ◆Bonding of glass fiber to resin | ◆Electrical properties                     |
| ◆Strength of composite           | ◆Temperature-change resistance             |

Coating

Silane coupling agents can form covalent bonds between inorganic and organic compounds.The inherent stability of the siloxane (Si-O-Si) bond makes this technology a key component in high-performance coatings.

|                                                 |                                           |
|-------------------------------------------------|-------------------------------------------|
| ◆Improve the toughness                          | ◆Improve thermal stability and durability |
| ◆Improve the dispersion of pigments and fillers | ◆Increase liquidity                       |
| ◆Improve water resistance, chemical resistance  | ◆Improved ultraviolet aging resistance    |
| ◆Improve adhesion                               |                                           |

Plastics, polymers and rubbers

Silane coupling agent can be used to bond inorganic fillers and pigments to polymers, optimize polypropylene manufacturing, cross-link polyethylene, and produce thermoplastic vulcanized rubber (TPVS).In addition, it can be used in the production of "green" tires used in the white carbon black reinforcement rubber.

|                             |                             |                         |
|-----------------------------|-----------------------------|-------------------------|
| ◆Improve the toughness      | ◆Abrasion resistance        | ◆Stability of packaging |
| ◆Easy processing            | ◆Stress cracking resistance | ◆Substrate strength     |
| ◆Temperature resistance     | ◆Cryogenic performance      | ◆Dispersion of packing  |
| ◆Bonding of filler to resin | ◆Electrical properties      |                         |

产品选择

Product Selection

选用原则

| 有机高聚物   | 可选用的硅烷偶联剂的类型 | 华欣偶联剂型号                                |
|---------|--------------|----------------------------------------|
| 不饱和聚酯   | 环氧基、甲基丙烯酰氧基型 | HX-570,HX-571,HX-572<br>HX-573         |
| 环氧树脂    | 环氧基、胺基型      | HX-540,HX-550,HX-560<br>HX-792         |
| 酚醛树脂    | 胺基、脲基型       | HX-540,HX-550                          |
| 聚氨酯、聚酰胺 | 胺基           | HX-540,HX-550,HX-902,<br>HX-903,HX-792 |
| 硫化橡胶    | 巯基型          | HX-580,HX-590,HX-591                   |

请根据行业要求选择以上硅烷偶联剂型号。



产品选择

Product Selection

Selection principle

| Organic high polymer       | Type of silane coupling agent | Waxin code                             |
|----------------------------|-------------------------------|----------------------------------------|
| Unsaturated polyester      | Epoxy,Acyloxy                 | HX-570,HX-571,HX-572<br>HX-573         |
| Epoxy resin                | Epoxy , Amino                 | HX-540,HX-550,HX-560<br>HX-792         |
| Phenolic resin             | Amino , Ureido                | HX-540,HX-550                          |
| Polyurethane,<br>Polyamide | Amino                         | HX-540,HX-550,HX-902,<br>HX-903,HX-792 |
| Vulcanized rubber          | Sulfhydryl type               | HX-580,HX-590,HX-591                   |

Selection in accordance with your industry requirements.





企业标准

Enterprise Standard

性能指标

| 类 别                            | 指 标        |             |               |          |              |          |              |          |              |          |              |
|--------------------------------|------------|-------------|---------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|
|                                | 外观         | 密 度<br>p25℃ | 折光率<br>η 25℃  | 三级品      |              | 二级品      |              | 一级品      |              | 特级品      |              |
|                                |            |             |               | 含量≥<br>% | 色度≤<br>Hazen | 含量≥<br>% | 色度≤<br>Hazen | 含量≥<br>% | 色度≤<br>Hazen | 含量≥<br>% | 色度≤<br>Hazen |
| HX-540                         | 无色透明液体     | 1.010~1.030 | 1.4150~1.4350 | /        | /            | 97       | 30           | 98       | 25           | 99       | 20           |
| HX-550                         | 无色透明液体     | 0.940~0.946 | 1.4185~1.4205 | 95       | 25           | 97       | 15           | 98       | 15           | 99       | 10           |
| HX-902                         | 无色透明液体     | 0.899~0.919 | 1.4135~1.4335 | /        | /            | 97       | 25           | 98       | 20           | /        | /            |
| HX-903                         | 无色透明液体     | 0.933~0.953 | 1.4185~1.4385 | /        | /            | 97       | 25           | 98       | 20           | /        | /            |
| HX-792                         | 无色或微黄色透明液体 | 1.006~1.026 | 1.4370~1.4470 | /        | /            | /        | /            | 98       | 30           | 99       | 25           |
| HX-560                         | 无色透明液体     | 1.050~1.070 | 1.4260~1.4280 | /        | /            | /        | /            | 98       | 20           | 99       | 15           |
| HX-570                         | 无色或微黄色透明液体 | 1.035~1.045 | 1.4285~1.4300 | /        | /            | /        | /            | 98       | 30           | 99       | 25           |
| HX-571                         | 无色或微黄色透明液体 | 0.990~1.010 | 1.4295~1.4395 | /        | /            | /        | /            | 98       | 30           | /        | /            |
| HX-572                         | 无色或微黄色透明液体 | 0.980~0.990 | 1.4210~1.4310 | /        | /            | /        | /            | 98       | 30           | 99       | 25           |
| HX-573                         | 无色或微黄色透明液体 | 1.046~1.066 | 1.4160~1.4360 | /        | /            | /        | /            | 98       | 35           | /        | /            |
| HX-580                         | 无色透明液体     | 0.974~0.984 | 1.4300~1.4400 | /        | /            | /        | /            | 98       | 20           | /        | /            |
| HX-590                         | 无色透明液体     | 1.048~1.058 | 1.4362~1.4462 | /        | /            | /        | /            | 98       | 20           | /        | /            |
| HX-591                         | 无色透明液体     | 0.990~1.000 | 1.4424~1.4524 | /        | /            | /        | /            | 98       | 20           | /        | /            |
| HX-396                         | 无色透明液体     | 1.023~1.123 | 1.4145~1.4245 | /        | /            | /        | /            | 98       | 30           | /        | /            |
| HX-801                         | 无色透明液体     | 0.950~1.050 | 1.4125~1.4225 | /        | /            | /        | /            | 98       | 30           | /        | /            |
| 注：用户对产品的质量指标有特殊要求时，可由供需双方协商确定。 |            |             |               |          |              |          |              |          |              |          |              |

企业标准

Enterprise Standard

Performance index

| Product Code                                                          | Index                                        |                 |                     |              |                  |              |                  |              |                  |                 |                  |
|-----------------------------------------------------------------------|----------------------------------------------|-----------------|---------------------|--------------|------------------|--------------|------------------|--------------|------------------|-----------------|------------------|
|                                                                       | Appearance                                   | Density<br>p25℃ | Refractive<br>η 25℃ | Third grade  |                  | Second grade |                  | First grade  |                  | Special product |                  |
|                                                                       |                                              |                 |                     | Purity≥<br>% | Chroma≤<br>Hazen | Purity≥<br>% | Chroma≤<br>Hazen | Purity≥<br>% | Chroma≤<br>Hazen | Purity≥<br>%    | Chroma≤<br>Hazen |
| HX-540                                                                | Colorless transparent liquid                 | 1.010~1.030     | 1.4150~1.4350       | /            | /                | 97           | 30               | 98           | 25               | 99              | 20               |
| HX-550                                                                | Colorless transparent liquid                 | 0.940~0.946     | 1.4185~1.4205       | 95           | 25               | 97           | 15               | 98           | 15               | 99              | 10               |
| HX-902                                                                | Colorless transparent liquid                 | 0.899~0.919     | 1.4135~1.4335       | /            | /                | 97           | 25               | 98           | 20               | /               | /                |
| HX-903                                                                | Colorless transparent liquid                 | 0.933~0.953     | 1.4185~1.4385       | /            | /                | 97           | 25               | 98           | 20               | /               | /                |
| HX-792                                                                | Colorless or light yellow transparent liquid | 1.006~1.026     | 1.4370~1.4470       | /            | /                | /            | /                | 98           | 30               | 99              | 25               |
| HX-560                                                                | Colorless transparent liquid                 | 1.050~1.070     | 1.4260~1.4280       | /            | /                | /            | /                | 98           | 20               | 99              | 15               |
| HX-570                                                                | Colorless or light yellow transparent liquid | 1.035~1.045     | 1.4285~1.4300       | /            | /                | /            | /                | 98           | 30               | 99              | 25               |
| HX-571                                                                | Colorless or light yellow transparent liquid | 0.990~1.010     | 1.4295~1.4395       | /            | /                | /            | /                | 98           | 30               | /               | /                |
| HX-572                                                                | Colorless or light yellow transparent liquid | 0.980~0.990     | 1.4210~1.4310       | /            | /                | /            | /                | 98           | 30               | 99              | 25               |
| HX-573                                                                | Colorless or light yellow transparent liquid | 1.046~1.066     | 1.4160~1.4360       | /            | /                | /            | /                | 98           | 35               | /               | /                |
| HX-580                                                                | Colorless transparent liquid                 | 0.974~0.984     | 1.4300~1.4400       | /            | /                | /            | /                | 98           | 20               | /               | /                |
| HX-590                                                                | Colorless transparent liquid                 | 1.048~1.058     | 1.4362~1.4462       | /            | /                | /            | /                | 98           | 20               | /               | /                |
| HX-591                                                                | Colorless transparent liquid                 | 0.990~1.000     | 1.4424~1.4524       | /            | /                | /            | /                | 98           | 20               | /               | /                |
| HX-396                                                                | Colorless transparent liquid                 | 1.023~1.123     | 1.4145~1.4245       | /            | /                | /            | /                | 98           | 35               | /               | /                |
| HX-801                                                                | Colorless transparent liquid                 | 0.950~1.050     | 1.4125~1.4225       | /            | /                | /            | /                | 98           | 30               | /               | /                |
| Remark: Any special requirements, bilateral negotiation is necessary. |                                              |                 |                     |              |                  |              |                  |              |                  |                 |                  |

# 产品证书

Product Certificate

## 安全技术说明书

Safety Data Sheet(SDS)

HX-540

  NO.2616010052

**SAFETY DATA SHEET**

Product Name: 3-Aminopropyltrimethoxysilane

Revision Date: 2016-01-28

Compiler: Liu Dulin

Checker: Fengshuo

Approver: Zhangxiaojin



Shanghai Research Institute of Chemical Industry Testing Centre

  NO.2616010052

**安全技术说明书**  
(SDS)

中文名称: 3-氨基三甲氧基硅烷; KH-540

英文名称: 3-Aminopropyltrimethoxysilane

生效日期: 2016年01月28日

编制人: 刘琳琳

审核人: 冯硕

批准人: 张孝金



上海化工研究院检测中心

HX-550

  NO.2616010061

**SAFETY DATA SHEET**

Product Name: 3-Aminopropyltriethoxysilane

Revision Date: 2016-01-28

Compiler: Liu Dulin

Checker: Fengshuo

Approver: Zhangxiaojin



Shanghai Research Institute of Chemical Industry Testing Centre

  NO.2616010061

**安全技术说明书**  
(SDS)

中文名称: 3-氨基三乙氧基硅烷; KH-550

英文名称: 3-Aminopropyltriethoxysilane

生效日期: 2016年01月28日

编制人: 刘琳琳

审核人: 冯硕

批准人: 张孝金



上海化工研究院检测中心

# 产品证书

Product Certificate

## 安全技术说明书

Safety Data Sheet(SDS)

HX-570

  NO.2622100083

**SAFETY DATASHEET**

Product Name: 3-Methacryloxypropyltrimethoxysilane

Effective Date: 2020-11-05

Compiler: He Jiankang

Checker: Dongqushang

Approver: Zhangxiaojin



Shanghai Research Institute of Chemical Industry Testing Co., Ltd.

  NO.2622100083

**安全技术说明书**  
(SDS)

中文名称: 3-(甲基丙烯酸氧基)丙基三甲氧基硅烷

英文名称: 3-Methacryloxypropyltrimethoxysilane

生效日期: 2020年11月05日

编制人: 何健康

审核人: 董树尚

批准人: 张孝金



上海化工研究院有限公司

HX-571

  NO.2622100215

**SAFETY DATASHEET**

Product Name: 3-(dimethoxymethylsilyl)propyl methacrylate

Effective Date: 2022-11-15

Compiler: He Yueshuang

Checker: Zhangxiaojin

Approver: Dongqushang



Shanghai Institute of Chemical Industry Testing Co., Ltd.

  NO.2622100215

**安全技术说明书**  
(SDS)

中文名称: 3-甲基丙烷氧基丙基二甲氧基硅烷

英文名称: 3-(dimethoxymethylsilyl)propyl methacrylate

生效日期: 2022年11月15日

编制人: 何悦双

审核人: 张孝金

批准人: 董树尚

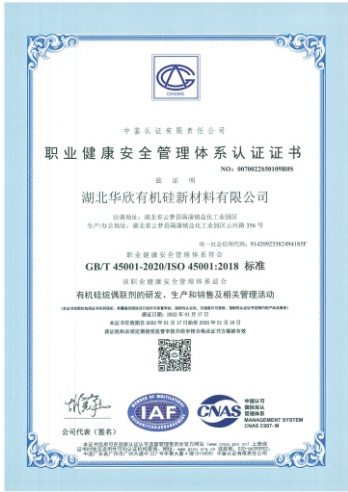


上海化工研究院有限公司



质管场景  
Quality control scenario

分析认证  
Verifying Analysis





# 备忘录

## MEMO

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a guide for handwriting or typing. The background is a solid off-white color.This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.