
SILANE A-171

Product Description

Chemical Name: Vinyltrimethoxysilane

CAS NO. : 2768-02-7

Specifications

Appearance	Colorless transparent liquid
Colour(Pt-Co)	≤ 25
Specific Gravity (ρ 20°C, g/cm ³)	0.965-0.975
Refractive Index ($n_D^{25^\circ\text{C}}$)	1.3925 –1.3935
Purity (%)	≥ 98.0

Applications

1. It can be applied to crosslinked polyethylene wire, cable insulation and sheath materials. It is an important cross linking agent for crosslinked polyethylene. Its crosslinking technology only need simple equipment and few investment. Moreover, it can be easily controlled when compared with common peroxide crosslinking and radiation crosslinking. Due to excellent electrical properties, heat resistance and stress cracking resistance of the silane cross linked polyethylene, it can be widely applied to wire, cable insulation and sheath materials.
2. It can be used in modified high polymer for special purpose. It can copolymerize with many monomers such as ethylene, propylene and butylene or graft polymerize with related resin, and then be made into modified high polymer for special purpose.
3. It can be applied to crosslinked polyethylene heat-proof tube, pipe and film. It is an important cross linking agent for crosslinked polyethylene, which possesses the

characteristics of excellent aromatic hydrocarbon resistance, oil resistance, stress cracking resistance, high mechanical strength and thermal performance. It can be used for 50 years at the temperature of 80°C. It can be widely used in external anti-corrosive and thermal insulated coatings of oil long-distance pipeline, natural gas and coal gas pipe line and related pipe of corrosion protection materials. It can also be used in cross-linking agent of ethylene vinyl acetate, chlorinated polyethylene, and ethylene ethylacrylate copolymer.

4. This product can be applied to dipping process fibreglass and inorganic fillers which contain silicone. It improves the soakage and cementability between resin and fiberglass in order to effectively improve the mechanical strength and electrical properties of glass fiber reinforced plastics and laminated plastic products, especially wet mechanical strength and electrical properties. Significantly, it improves the weather resistance, water resistance and heat resistance of glass fiber reinforced plastics and extends service life of its products. Besides that, it also gives glass fiber reinforced plastic products better electromagnetic wave transmission.
5. It can be applied to manufacturing special coatings. It can be co-polymerized with oleic series of monomers and made into special external coating, which owns the properties of weather resistance, dust resistance and wipeable ability and can be used for 20 years.
6. It can be used in composite material adhesive accelerator. This product is an excellent accelerator to silicone rubber, metal and textile, etc.

Packing

25 kg, 200kg plastic or iron drum