

PROMOTER KS 071

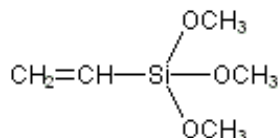
CHEMICAL NAME: Vinyltrimethoxysilane

FORMULA CHIMICA: C₅H₁₂O₃Si

CAS: 2768-2-7

EINECS: 220-449-8

MOLECULAR STRUCTURE:



EQUIVALENT BRAND: -**Momentive:** A-171 -**Shin-Etsu:** KBM-1003 -**Wacker:** XL 10
-**Dow Corning:** Z-6300 -**EVONIK:** VTMO

DESCRIPTION: A vinyl functional silane making them suitable to be used as a crosslinker in making crosslinking organic polymers. It is also recommended for chain extension of RTV or other silane or OH functional polymer.
It is the fastest hydrolyzing rate among vinyl series silanes.

APPLICATIONS:

1. Silane crosslink polymers: This vinyl silane can also grafted to select unsaturated polymers such as PE, PET and Styrene-Butadiene copolymer, via moisture cure mechanism. These vinyl silane crosslinked polymers represent good resistant to high temperature and excellent mechanic strength.
2. Emulsion polymerization: As a monomeric vinyl functional silane in vinyl, vinyl acrylic and acrylic resin, this vinyl silane can be added as monomers during emulsion during polymerization to form silane modified latexes. The silane in such latexes functions as crosslinkers, forming very stable Si-O-Si chain.
3. Adhesives, sealants and hot melt: Excellent adhesion to a wide range of inorganic substrates such as metal, glass and concrete, the suitable resins include acrylic, vinyl and vinyl acrylic.

TYPICAL PHYSICAL PROPERTIES:

Appearance	Colorless, transparent liquid
GC Purity, %	>99
Specific Gravity, g/cm ³	0.960
Boiling Point, (760 mm Hg) °C	122
Refractive Index, n _D ²⁵	1.3900
Flash Point, °C	28
Solubility	Soluble in alcohol, ketone, aether, benzene, most aliphatic esters, hydrolysis releases methanol.

PACKING:

The regular packing of this product is 200L steel drums and 1000L immediate bulk container.

STORAGE:

Should be stored in dry, cool, ventilated room; keep away from water, moisture, high temperature and fire.

SHELF LIFE:

This product has a shelf life of at least 12 months if stored in tightly closed original container at room temperature. If this product is kept beyond the shelf life recommend on the product label, it is not necessarily unusable, but a quality control should be performed on the properties relevant to the application.