

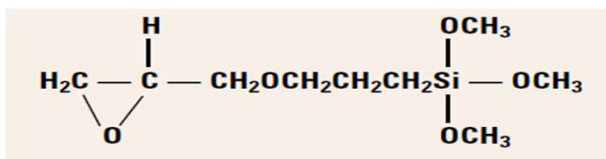
ESUNG ESL8350

Silane coupl agent Product Data Sheet

PRODUCT DESCRIPTION

ESL8350 is Gamma-Glycidoxypropyltrimethoxysilane. (GPTMS)

Chemical Institution:



Features and Benefits

- The Epoxy functional silane produced by ESL8350
 - Enhanced electrical properties of epoxy electronic encapsulant and packaging materials, resulting from improved bonding between resin and substrate filler
 - Stable in waterborne applications such as acrylic and vinyl acrylic caulks
 - Improved adhesion to glass, metal substrates can be obtained in Epoxy, Polysulfide, urethane and acrylic bases adhesive, sealants and caulks

APPLICATIONS

- As epoxy coupling agent, it is used in polysulfide-based and metal-filled epoxide resinous material.
- Improve the adhesion between inorganic stuffing, base material and resin, hence improve the mechanical strength electric property of composite material and high retention in wet site.
- Improve the electrical properties of many composite materials, including inorganic-filled Nylon and PBT. It can be widely used in many fillers and substrates such as clay, talcum, tricalcium silicate, silica, quartz and aluminum, copper and iron. Including quartz-filled epoxy sealants, gravel-filled epoxy resin, concrete patching material or coating, toner of modeling kits, and improving the dispersivity, fluidity of adhesive.
- Avoid the need of independent promoter in polysulfide and polyurethane sealant and sealing compounds.
- Improve the adhesion of double-component epoxy sealing agent, acrylic acid latex, sealing agent, polyamino ester, epoxy resin. It is used in organic and poly urethane adhesive and sealant, epoxy resin adhesives, filled or enhanced thermoset

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TYPICAL PRODUCT DATA

Appearance	Clear, pale
Molecular Weight	236
Specific Gravity at 25/25 °C	1.070
Refractive Index nD 25 °C	1.428
Flash point, Tag Closed Cup °C	135
Boiling Point °C	290

SOLUBILITY

- ESL8350 is soluble in water after hydrolysis, alcohol, acetone and most aliphatic esters at normal application levels under five percent. Hydrolysis release methanol.

PACKAGE

- 20kg pail
- 215kg drum