

ESUNG

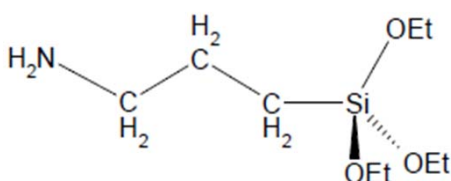
ESL8331

Silane coupling agent Product Data Sheet

PRODUCT DESCRIPTION

ESL8331 is Gamma-Aminopropyltriethoxysilane. (APTES)

Chemical Institution:



Features and Benefits

- The Amino functional silane produced by ESL8331
 - Improved adhesion
 - Increased composite wet and dry tensile strength and modulus
 - Increased composite wet and dry flexural strength and modulus.
 - Increased wet and dry compressive strength
 - Increased transparency of fiberglass composites.

APPLICATIONS

- Coatings, Adhesives and sealants
 - This aminosilane is an excellent adhesion promoter in acrylic coating, adhesives and sealants. With polysulfide, urethane, RTV silicones, epoxy, nitrile, and phenolic adhesives and sealants, the product improves pigment dispersion and maximizes adhesion to glass, aluminum and steel
- Glass Fiber and mineral wool insulation.
 - As a phenolic resin binder additive, ESL8331 silane imparts moisture resistance and allows recovery after compression
- Foundry applications.
 - In shell molding, this silane strengthens the bond between the phenolic binder and foundry sand.
- Grinding wheels
 - The product promotes an improved, water-resistant bond between the abrasive grit phenolic resin binder.

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TYPICAL PRODUCT DATA

Appearance	Clear, colorless
Molecular Weight	221.37
Specific Gravity at 25/25 °C	0.955
Refractive Index nD 25 °C	1.420
Flash point, Tag Closed Cup °C	96
Boiling Point °C	220

SOLUBILITY

- ESL8331 is completely and immediately soluble in water (with reaction), alcohol and aromatic and aliphatic Hydrocarbons. Ketones are not recommended as diluents. Hydrolysis is noticeably exothermic and releases ethanol.

PACKAGE

- 20kg pail
- 191kg drum



이성소재
ESUNG MATERIALS

<http://www.esung.kr>

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