KBE-903

$NH_2(CH_2)_3$-Si$(OCH_2CH_3)_3$
3-Aminopropyltriethoxysilane
CAS: 919-30-2

Product description

Shin-Etsu KBE-903 is a versatile amino-functional coupling agent used over a broad range of applications to provide superior bonds between in organic substrates and organic polymers.

The silicon-containing portion of the molecule provides strong bonding to a variety of substrates. The primary amino group reacts with a wide array of thermoset, thermoplastic and elastomeric materials.

Features and benefits

- Excellent adhesion promoter in acrylic coatings, adhesives and sealants.
- Improves pigment dispersion
- Maximizes adhesion to glass, aluminum and steel.
- Enhances the flexural, compressive and interlaminar shear strengths in glass-reinforced thermosets.
- Greatly improves wet electrical properties in related applications.
- Increased flexural and tensile strengths before and after wet exposure in glass-reinforced thermoplastics, polyamides, polyesters and polycarbonates.

Typical properties*

Appearance	Light Straw
Molecular Weight	221.4
Specific Gravity (25 °C)	0.951
Refractive Index (25 °C)	1.420
Boiling Point (°C)	217
Flash Point (°C)	98

* This information is provided for comparison only and does not represent product specifications

Applications

Sealants and adhesives
Pretreatment of fillers and pigments
Adhesion promoter to the substrate in paints and coatings
Glass fiber composites
Foundry resin additive

Packaging

Shin-Etsu Silane KBE-903 is supplied in 16kg pails and 180kg drums, net weight.

Safety and Handling Precautions

Before handling and or storage, review our latest Material Safety Data Sheet. For a copy, please contact local Shin-Etsu office nearest you.

Important

All data presented in this brochure may not be relied upon to represent standard values. Shin-Etsu reserves the right to change information in this brochure, including product performance standards and specifications, without notice.

The silane product described herein have been designed, manufactured, and developed solely for general industrial use only, such silane product is not designed for, intended for use as, or suitable for, medical, surgical, or other related purposes.

Users have the sole responsibility and obligation to determine the suitability of the silane product described herein for any applications, to make preliminary tests, and to confirm the safety of such products for their use.