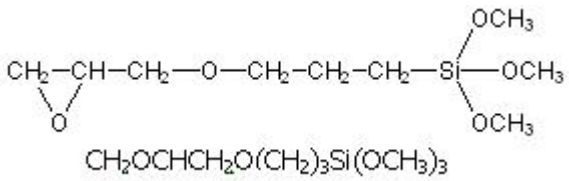
BR-560

Description

Chemical name：3-(2, 3-Epoxy propoxy) propyltrimethoxysilane

Molecular Formula: $C_9H_{20}O_5Si$

Chemical structure:



Silane BR-560 is colorless transparent liquid, soluble in various organic solvents. It may form polysiloxane after hydrolysis. Overheating, light, peroxide may cause polymerization.

Technical Index

Property	Specification
Physical Form	Clear liquid
Color, Pt-Co	Max 30
Specific Gravity at 20 °C	1.068 – 1.075
Refractive index (25°C)	1.4290 ±0.0050
Purity, %	Min 98.0
Molecular Weight	236.38
CAS NO.	2530-83-8

Application

Silane BR-560 can be used in variety of applications, including:

Unsaturated polyester composites

• Improve mechanical properties; like flexural strength, tensile strength, impact strength and modulus of elasticity.

• Improve electric property;

Paints and coatings

• Improve adhesion to the substrate, especially glass and metal

• Improve moisture and corrosion resistance.

like dielectric constant, volume resistivity.

Sealant and Adhesive

• Improve adhesion

• Used in organic, polyurethane and epoxy resin adhesive and sealant.

Mineral filled composites

• Pretreatment of fillers and pigments

• Improve the adhesion between inorganic stuffing, base material and resin

Others

Be used as coupling agent, improve the adhesion between organic and inorganic materials.

Packing

Silane BR-560 is available in 200kg steel drums, 1000kg IBC drums, or other packing on request.

Storage

Store in original container only.

Keep container tightly closed and store in a cool, well ventilated place.

Shelf life

Original characteristics remain intact for 1 years, if kept in recommended storage.