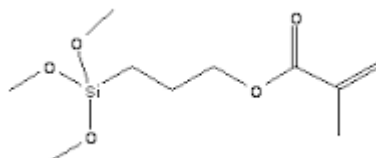

SilQon MEMO

SilQon A187

Chemical Name: 3-Trimethoxysilyl-propyl-methacrylate
CAS No.: 2530-85-0



General

SilQon 3301 is used as adhesion promoter at organic/inorganic interfaces, as surface modifier or as crosslinking of polymers. It is used as a coupling agent to improve the physical and electrical properties of glass-reinforced and mineral-filled thermosetting resins under exposure to heat and/or moisture. It is typically employed as a blend additive in resin systems that cure via a free radical mechanism (e.g. polyester, acrylic) and in filled or reinforced thermoplastic polymers, including polyolefins and polyurethanes. It is also used to functionalize resins via radical initiated processes - copolymerization or grafting - and to modify surfaces.

Technical data

Appearance	Transparent liquid
Specific Gravity ($\rho_{20^{\circ}\text{C},\text{g}/\text{cm}^3}$)	1.040~1.050
Assay GC	$\geq 98.0\%$
Refractive Index	1.4245-1.4340

Application

- A constituent of glass fiber size (glass fiber fillers for unsaturated polyester resins and polyolefins)
- A finish for glass fabrics used in unsaturated polyester resins
- As a surface modifier for pigments and fillers for thermosets (unsaturated polyester, MMA), thermoplastics (polyesters and polyolefins) and elastomers
- As an additive for filled, peroxide-cross-linked elastomers
- As an additive for casting resins (unsaturated polyester, MMA)

Packaging

Available packaging: 25kg pail, 200kg drum and 1000kg IBC