

E12

MS Polymer / Silyl-Terminated-Polyether

Description

Manta E12 is a Triethoxy silane capped resins for high tensile and tough adhesive formulations. Enables bubble free curing at normal temperature & humidity levels. Formulations have excellent adhesion to metals with fast cure. Excellent adhesion to aluminium with no primers and a wash with green dimethyl carbonate solvent. The trifunctional polymer is catalysed with more environmentally friendly tin acetoacetate catalyst. No hazard warning labels on the sealant product when displayed in the factory. Formulations can be thickened with carbon black, polyamide wax or cheaper urea thickeners.

Typical Physical Properties

Based on 10000-15000 MW Polyether

Triethoxysilane capped

Polymer viscosity is around 6000 mPa.s at 25°C

Catalyzed with dibutyl tin diketonoate and secondary amino silane

Sealants shore A hardness 20-40

Sealants tensile strength 1.0-2.0 MPa and tack free

Sealants elongation at break 300-600%

Specific gravity 1.005

Open time 30-45 minutes

CAS NO.: 119791-02-5

Properties

- Paintability
- Solvent free
- Low viscosity
- Weathering resistance
- Hardness can be adjusted
- No free isocyanate groups
- Curing speed can be adjusted
- Fast curing silane crosslinked
- The latest generation of silane modified resin
- Excellent adhesion of glass, cement, metal and wood

Applications

E12 is used as base polymer in elastic sealants, elastic structure sealants, encapsulate adhesives and coatings.

Packaging

In 50kg, 200kg, 1000kg IBC

Safety and Storage

Keep in a cool and dry place and avoid storage in direct sunlight. Shelf life is 12 months. It is non-hazardous substance.

Contact Information

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