Silicone hybrid resin

SILIKOPON® EC

DESCRIPTION

Silicone Epoxy Hybrid Resin

KEY BENEFITS

- excellent adhesion, chemical and solvent resistance
- excellent corrosion resistance
- very good thermal shock resistance

SUITABILITY

waterborne	solventborne
○	●

○ not suitable ◐ partly suitable ● suitable

TYPICAL APPLICATIONS

- Protective coatings
- Heatstable Coatings
- exhaust systems, mufflers

TECHNICAL DATA

appearance	clear to hazy colored liquid (product properties are not affected by haziness)
non-volatile content	Approx. 52 %
solvent	methoxypropylacetate
viscosity at 25 °C	Approx. 1,000 mPas

SOLUBILITY

Water	Butylacetate
○	●
Methylisobutylketone (MIBK)	**Xylene**
●	●
Dowanol MPA	**Cyclohexanone**
●	●
Butanol	
◐	

○ not soluble ◐ partly soluble ● soluble

PROCESSING INSTRUCTIONS

- Because of the strong yellowing, only the formulation of dark colors is recommended.
- Use with metallic pigments and special formulations to obtain continuous heat resistance of up to 650°C.
- In combination with alcoxy-functional resins, we do not recommend the use of alcohols or hydroxy-functional glycol ethers as solvents.
- Application by spray (incl. electrostatic) and dipping.

CURING CONDITIONS

250 °C / 30 min.

HANDLING & STORAGE

- When stored in an original unopened packaging, the product has a shelf life of 24 months from the date of manufacture.
- Contact with tin (e.g. with metal containers) will shorten the storage stability. Keep dry. Contact with moisture causes gelation.

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