

TC-K 518



Evergreen Chemicals Co., Ltd.

Description:

Epoxy Resin TC -K518 is a food grade liquid resin manufactured from bisphenol-A and epichlorohydrin. It is recognized as a standard from which many variations have been developed. A wide variety of curing agents is available to cure liquid epoxy resins at ambient conditions. The most frequently used are aliphatic polyamines, polyamides, amidoamines, cycloaliphatic amines and modified versions of these curing agents.

Typical properties:

Property	Value
Appearance	Clear liquid
Color	40 max
Epoxy Equivalent(g/mol)	184-195
Hydrolytic Chlorine(%)	0.2 Max
Inorganic Chlorine(mg/kg)	50 Max
Volatile/150°C, 40min(%)	0.5 Max
Viscosity/25°C, (mPa.s)	10000-16000

Application:

- Adhesives
- Filament winding
- Casting and Tooling
- Civil Engineering
- Composites
- Automotive Coatings
- Can Coating
- Coil Coating
- Marine & Protective Coatings

Package and storage:

Under certain circumstances, such as low temperature, this product can crystallize after lengthy storage, this can be reversed by warming up to 60-70°C while stirring. The product should be stored in a cool and dry place in its original closed packaging, and not be stored exposed to direct sunlight. Under these conditions the shelf life should be minimum of 12 months from the date of manufacture.



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