Bisphenol-A type Liquid Epoxy Resin E-51

1. Description

Bisphenol-A type liquid epoxy resin E-51 is an unmodified liquid epoxy resin with medium viscosity produced from bisphenol-A and epichlorohydrin. This is a standard liquid epoxy resin and a wide variety of curing agents are available to cure this liquid epoxy resin at ambient conditions and also at elevated temperature. When cured with appropriate hardener, E-51 gives excellent mechanical, chemical, electrical and adhesion properties. Because of these properties it finds use in various applications.

2. Application

Solvent based, high solid content and solvent-free coatings

Adhesives

Civil and construction engineering industry

Automotive coatings

Can & coil coatings

Marine and industrial protective coatings

Tooling, potting, casting and molding compounds

Composites

Stabilizer in PVC

3. Product parameters

Appearance	Visual	Transparent, colorless to light yellow liquid
Color	ASTM D 1544-04	0.5Gmax
Epoxy equivalent	ASTM D 1652-04	178-200
Viscosity (25)	ASTM D 2196-05	8000-17000cP
Hydrolyzed chlorine	ASTM D 1726-03	0.05%max

Epoxy value	ASTM D 1652-04	5.12-5.40
Density (25)	ASTM D 1475-98	1.16g/ml
Water content	ASTM E 203-01	0.05%max
ECH content	TEC-AS-P-023	10ppm max
Flash point	ASTM D 93	253

Product packaging

This product is packed and transported in 220kg sealed iron drum.

Other packaging can be provided on request.

5. Storage and precautions

1). Epoxy resin should be stored in a cool and dry place, avoid rain and sun exposure.

2). When deploying epoxy resin, it is necessary to use it now and mix the curing agent in proper proportion to avoid waste.

3). Epoxy resin storage life is generally 1 year, beyond the time limit should be tested, meet the index can still be used.

Disclaimer

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