

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.

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

|                     |                |   |
|---------------------|----------------|---|
| 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 °C)   | 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       |

#### 4.

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

Other packaging can be provided on request.

- 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.

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