

Bisphenol A type liquid epoxy resin E-44 is an unmodified liquid epoxy resin with medium viscosity produced from bisphenol-A and epichlorohydrin. It's viscosity is lower than E-51 and hence is preferred over E-51 where lower viscosity plays important role in processing and application. 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-44 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

|                     |                |                                               |
|---------------------|----------------|-----------------------------------------------|
| Appearance          | Visual         | Transparent, colorless to light yellow liquid |
| Color               | ASTM D 1544-04 | 0.5Gmax                                       |
| Epoxy equivalent    | ASTM D 1652-04 | 210-188                                       |
| Viscosity (25 °C)   | ASTM D 2196-05 | 8000-11000cP                                  |
| Hydrolyzed chlorine | ASTM D 1726-03 | 0.05 % max                                    |
| Epoxy value         | ASTM D 1652-04 | 5.32-5.55                                     |

|               |                |           |
|---------------|----------------|-----------|
| 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      | 150       |

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.

All recommendations for use of our products whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although, the information contained in this sheet is accurate, no liability can be accepted in respect of such