

BLUESTAR

TECHNICAL DATA SHEET



FENG HUANG® EPOXY RESIN 0161 (E-54)

Description

Epoxy Resin **0161 (E-54)** is a 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. These systems are sometimes cured at an elevated temperature to improve selected properties such as chemical resistance and glass transition temperature. Elevated temperature cures are necessary and long post-cures are required to develop full end properties if anhydride of catalytic curing agents are employed.

Typical Applications

This product is suitable for use in applications such as:

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

Typical Properties

| Property(1) | Value |
|----------------------------|---|
| Appearance | Clear liquid, no visible mechanical impurity |
| Colour (Hazen) | 40 Max |
| Epoxy Equivalent (g/mol) | 175~185 |
| Inorganic Chlorine (mg/kg) | 50 Max |
| Hydrolytic Chlorine (%) | 0.050 Max |
| Volatile /150°C,40min (%) | 0.50 Max |
| Viscosity/25°C (mPa.s) | 8000~11000 |

Packaging 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 self life should be a minimum of 12 months from date of manufacture.

Safety and Handling

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product Safety Data Sheets.

Contact information

Nantong Xingchen Synthetic Material Co., Ltd.
118th Jianggang Road, Nantong, China
Tel: +86-513-85997938, 85597898
Fax: +86-513-85997829
Website:www.ntsmp.com

DISCLAIMER

This information and recommendations contained herein are based upon our data believed to be correct, However, since the condition of use are beyond our control, no guarantee or warranty of any kind of expressed or implied is made with respect to the information contained herein.