

BLUESTAR

TECHNICAL DATA SHEET



FENG HUANG® EPOXY RESIN WSR 6101

Description

Epoxy Resin **WSR 6101** 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 | Value |
|---------------------------|---|
| Appearance | Clear liquid, no visible mechanical impurity |
| Colour (Hazen) | 40 Max |
| Epoxy Equivalent (g/mol) | 210-230 |
| Hydrolytic Chlorine (%) | 0.50 Max |
| Inorg.Cl (mg/kg) | 50 Max |
| Volatile /150°C,40min (%) | 0.6 Max |
| Softening Point (°C) | 14-23 |

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 Date Sheets.

Contact information

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