

## Solid Epoxy Resin E-12

### 1. Description

Solid Epoxy Resin E-12 is a medium molecular weight solid epoxy resin. It has good electrostatic spraying performance, chemical resistance and anti-corrosive properties. It can be used in epoxy polyester powder coatings, or mixing with an amine curing agent for use in anti-corrosion and insulation coatings.

### 2. Application

- Powder coatings
- Solvent based two components coatings
- Anticorrosive coatings

### 3. Product parameters

|                     |                |  |
|---------------------|----------------|--|
| Appearance          | Vision         | Clear, colourless to light yellow flakes |
| Color               | ASTM D 1544-04 | 0.5Gmax                                  |
| Epoxy equivalent    | ASTM D 1652-04 | 750-825                                  |
| Viscosity ( 150 )   | ASTM D 4287-00 | 15-35P                                   |
| Hydrolyzed chlorine | ASTM D 1726-03 | 0.1%max                                  |
| Epoxy value         | ASTM D 1652-04 | 1.21-1.33                                |
| Relative Density    | ASTM D 1298    | 1.16-1.18g/cc                            |

|               |               |                            |
|---------------|---------------|----------------------------|
| Bulk density  | ASTMD 1895    | 0.50-0.65MT/m <sup>3</sup> |
| Water content | ASTM E 203-01 | 0.5%max                    |
| Insoluble     | Tec-p -050    | 30ppm max                  |

#### **4. Product packaging**

This product is packed and transported in  
Other packaging can be provided on request.

#### **5. Storage and precautions**

- 1). Epoxy resin should be stored in a cool and dry place.
- 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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