

# Solid Epoxy Resin E-14

## 1. Description

Solid Epoxy Resin E-14 is a medium molecular weight solid epoxy resin designed for use in powdercoatings. This product is suitable for use in powder coatings requiring higher flexibility and toughness. This product is also suitable for making epoxy ester resins by reacting with fattyacids in appropriate quantity for which an esterification catalyst needs to beemployed.

## 2. Application

- Hybrid powder coatings
- Pure epoxy powder coatings
- Manufacturing of epoxy esters

## 3. Product parameters

Appearance	Vision	Clear, colourless to light yellow flakes
Color	ASTM D 1544-04	0.5Gmax
Epoxy equivalent	ASTM D 1652-04	900-975
Viscosity ( 150 )	ASTM D 4287-00	5300-7000cP
Hydrolyzed chlorine	ASTM D 1726-03	0.1%max
Epoxy value	ASTM D 1652-04	1.02-1.11
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
Insolubles	Tec-p -050	30ppm max
Hydroxyl value	-	2.89eq/kg

#### **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**

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 information. We warrant only that our product will meet the designated specifications and make no other warranty either express or implied, including any warranty of merchantability or fitness for a particular.