


Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)
EPOTEC YDF 172
Description

EPOTEC YDF 172 is unmodified low viscosity Diglycidyl ether of Bisphenol F. EPOTEC YDF 172 provides excellent crystallization resistance relative to EPOTEC YDF 170 and YDF 170LC. It is specially developed to avoid operational problems related to crystallization in geographical locations which face low temperature in winters.

Applications

- Chemical resistance coatings
- Fiber reinforced tanks and composites
- Industrial floors
- Laminates
- Adhesives for electronic application
- Solvent free coatings
- Filament winding
- Concrete reinforcement

Specification

Property	Units	Test Method	Value
Appearance	-	Visual	Clear, colourless to light yellow liquid
Colour	Gardner	ASTM D 1544-04	1 max.
Epoxy Equivalent weight	g/eq	ASTM D 1652-04	165 – 175
Viscosity at 25°C	cP	ASTM D 2196-05	3,000 – 5,000
Hydrolysable Chlorine	wt%	ASTM D 1726-03	0.1 max.

Typical properties *

Property	Units	Test Method	Value
Density at 25°C	g/ml	ASTM D 1475-98	1.17
Water content	ppm	ASTM E 203-01	1000 max.
ECH content	ppm	TEC-AS-P-023	10 max.

* = Typical properties are indicated for information only

Packing

EPOTEC YDF 172 is packed and delivered in steel drums, 220 kg per drum as a standard pack.
Other packs are available on request.

Storage

EPOTEC YDF 172 resin should be stored in original tightly closed container, in dry and warm conditions to avoid crystallization. Under these conditions, it has a storage life of at least two years from the date of manufacturing. EPOTEC YDF 172 may become hazy or crystallize upon long storage especially when exposed to low temperatures. The resin can be restored to its original condition by warming to 55-60°C while stirring. For handling or pumping the maximum temperature recommended is 80°C.

Handling

Please refer to the MSDS of the product for more instructions on safe storage and handling of EPOTEC YDF 172.

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 purpose as the conditions of application are beyond our control.

For Additional Information, Please Contact:

Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)

Mahatun Plaza Bldg., 16th Floor 888/167 Ploenchit Road, Lumpini, Bangkok 10330 Thailand.

Tel: (662) 2535031-3, Fax: (662) 2535030

Web Site: www.adityabirlachemicals.com, E-Mail: epoxymktg@adityabirla.com