


**Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)**
**EPOTEC YDFM 250**
**Description**

Epotec YDFM 250 is a blend of diglycidyl ether of bisphenol-A and diglycidyl ether of bisphenol-F liquid epoxy resins. The blend ensures that the crystallization resistance of this material is better than the individual bisphenol-A or bisphenol-F based liquid epoxy resins. It also retains the chemical resistance and mechanical properties of the product unlike the reactive diluent modified epoxy resins where there is decrease in some of the performance properties.

Epotec YDFM 250 is compatible with all common epoxy resins in all ratios. All the common epoxy curing agents can be employed to cure epotec YDFM 250 based system.

**Applications**

- Solvent based, high solids and solvent free coatings
- Adhesives
- Civil engineering and construction industry
- Automotive coatings
- Coil coatings
- Marine and Industrial protective coatings

**Specification**

Appearance	Visual	Clear, colourless to light yellow liquid
Colour	ASTM D 1544-04	0.5 G max.
Epoxy Equivalent weight	ASTM D 1652-04	180 – 190 g/eq
Viscosity* 25 °C	ASTM D 2196-05	8,000 – 10,000 cP

\*Brookfield viscosity

**Typical properties \***

Epoxy Value	ASTM D 1652-04	5.26 – 5.55
Density @25°C	ASTM D 1475-98	1.16 – 1.18 g/ml
Water content	ASTM E 203-01	0.1 % max.
Hydrolysable chlorine	ASTM D 1726-03	0.1 % max.
Non-volatile content	ASTM D 1259-06	100 %
Flash point	ASTM D 93	> 150°C

\* = Typical properties are indicated for information only

**Packing**

Epotec YDFM 250 is packed and delivered in steel drums, 220 kg per drum as a standard pack.  
Other packs are available upon request.

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**Storage**

Epotec YDFM 250 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 YDFM 250 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.

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**Handling**

For more instructions on storage and handling of epotec YDFM 250 please refer to the MSDS of the product.

**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.

<p style="text-align: center;"><b>For Additional Information, Please Contact:</b> <b>Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)</b> Mahatun Plaza Bldg., 16<sup>th</sup> Floor 888/167 Ploenchit Road, Lumpini, Bangkok 10330 Thailand. Tel: (662) 2535031-3, Fax: (662) 2535030 Web Site: <a href="http://www.adityabirlachemicals.com">www.adityabirlachemicals.com</a>, E-Mail: <a href="mailto:epoxymktg@adityabirla.com">epoxymktg@adityabirla.com</a></p>
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