


**Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)**
**EPOTEC YDF 170LV**
**Description**

Epotec YDF 170LV is unmodified low viscosity diglycidyl ether of bisphenol-F. Epotec YDF 170LV can be used as such or as a blend with std. bisphenol-A based liquid epoxy resin &/or epoxy reactive diluent for various applications as mentioned below.

**Applications**

- Adhesives
- Chemical resistant coatings
- Industrial floors
- Laminates

**Specification**

Appearance	Visual	Viscous liquid
Colour	ASTM D 1544-04	1 G max.
Epoxy Equivalent Weight	ASTM D 1652-04	160 - 170 g/eq
Viscosity* @25 °C	ASTM D 2196-05	2,000 - 3,000 cP
Hydrolysable Chlorine	ASTM D 1726-03	0.1 % max.

\*Brookfield viscosity

**Typical properties \***

Epoxide Value	ASTM D 1652-04	5.88 – 6.25
Density @25°C	ASTM D 1475-98	1.18 g/ml
Water content	ASTM E 203-01	0.1 % max.
ECH content	TEC-AS-P-023	10 ppm 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 YDF 170LV is packed and delivered in steel drums, 220 kg per drum as a standard pack.  
Other packs are available upon request.

---

**Storage**

Epotec YDF 170LV 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 170LV 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**

For more instructions on storage and handling of epotec YDF 170LV 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.

**For Additional Information, Please Contact:**

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

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 : [www.adityabirlachemicals.com](http://www.adityabirlachemicals.com), E-Mail : [epoxymktg@adityabirla.com](mailto:epoxymktg@adityabirla.com)