

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

EPOTEC YDF 170

Description	Epotec YDF 170 is general-purpose unmodified low viscosity diglycidyl ether or bisphenol-F. In addition to offering advantage in terms low viscosity, epotec YDI 170 provides better chemical resistance & flexibility when compared to simila bisphenol-A based liquid resin.				
	Epotec YDF 170 is compatible with all common epoxy resins in all ratios. A blen of epotec YDF 170 with bisphenol-A based liquid resin has better resistance t crystallization compared to unmodified base resins. Blending of epotec YDF 17 into std. bis-A based liquid epoxy resin brings down viscosity without affectin performance parameters unlike reactive diluent modified resin that affect mechanical, chemical and thermal resistance of the system.				
Applications	 Solvent based, high s 	solids and solvent free co	patings		
	 Adhesives Civil engineering and Automotive coatings Coil coatings Marine and Industrial 	·	inds		
Specification	 Adhesives Civil engineering and Automotive coatings Coil coatings Marine and Industrial Tooling, potting, casti 	protective coatings	Clear, colourless to light		
Specification	 Adhesives Civil engineering and Automotive coatings Coil coatings Marine and Industrial Tooling, potting, casti Composites 	protective coatings ng and molding compou			
Specification	 Adhesives Civil engineering and Automotive coatings Coil coatings Marine and Industrial Tooling, potting, casti Composites 	protective coatings ng and molding compou	Clear, colourless to light yellow viscous liquid		
Specification	 Adhesives Civil engineering and Automotive coatings Coil coatings Marine and Industrial Tooling, potting, casti Composites Appearance Colour Epoxy Equivalent	protective coatings ng and molding compou Visual ASTM D 1544-04	Clear, colourless to light yellow viscous liquid 3 G max.		

Typical properties *

Epoxide Value	ASTM D 1544-04	5.55 – 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 inc	* = Typical properties are indicated for information only						
General information	The better chemical resistance of bisphenol-F based resin epotec YDF 170 can be attributed to its slightly higher functionality of 2.0 - 2.1 compared with functionality of 1.9 - 2.0 of standard bisphenol-A based liquid epoxy resin epotec YD 128. Epotec YDF 170 can be used in various applications to make trowelable floors, mortars, grouts, coatings etc. It has excellent adhesion to various surfaces and maintains its adhesion under wider temperature fluctuations.						
Packing	Epotec YDF 170 is packed and delivered in steel drums, 220 kg per drum as a standard pack. Other packs are available upon request.						
Storage	and warm condition storage life of at leas may become hazy of low temperatures. The	resin should be stored in original tightly closed container, in dry ions to avoid crystallization. Under these conditions, it has a east two years from the date of manufacturing. Epotec YDF 170 by or crystallize upon long storage especially when exposed to . The resin can be restored to its original condition by warming to tirring. For handling or pumping the maximum temperature $80^{\circ}C$.					
Handling	For more instructions on storage and handling of epotec YDF 170 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.

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