



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

EPOTEC YD 535

Description

EPOTEC YD 535 is a low viscosity, modified bisphenol A based epoxy resin. This has very good wet out, and degassing properties and exhibit excellent adhesion to all types of reinforcements such as glass, polyester, carbon and Kevlar etc. This resin provides excellent combination of mechanical, physical and thermal properties when it is used with suitable aliphatic or aromatic amine hardeners.

Processing

This system is suitable for wet lay up lamination, resin transfer molding (RTM), resin infusion, small component casting, filament winding and adhesives.

Applications

Fiber reinforced structural components for automotives, sporting articles, navy, aeronautics, marine, electrical insulating components.

Typical properties

Property	Test method	Unit	Specification
Appearance	-	-	Clear liquid
Viscosity @ 25 °C	JIS K 7233 (86)	cPs	2,300 - 2,900
Color	ASTM D-1544 (89) TEC-AS-P-006	Gardner	1 Max.
Specific gravity @ 25 °C	TEC-AS-P-004	-	1.1 - 1.2

Storage and handling

EPOTEC YD 535 can be stored up to 1 year in sealed original container. Storage condition below 15°C may cause crystallization of the resin. Crystallization may be reversed completely by heating the material to 50 - 60 °C. It is advised to use resin only when it is clear and free from cloudiness.

Handling

Please refer to MSDS for safe handling of EPOTEC YD 535.

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:

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