


Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)
EPOTEC RD 107
Description

Epotec RD 107 is a low viscosity, aliphatic di-epoxide compound based on 1,6-hexanediol. It is intended for use as a reactive diluent for high viscosity epoxy resins. Epotec RD 107 is compatible in all concentrations with all common epoxy resins. These resin/diluent blends can be cured using variety of curing agents.

The di-functionality of epotec RD 107 helps to produce formulations with improved toughness. The di-fuctionality of epotec RD 107 also helps in retaining the chemical resistance characteristics of the system to a large extent.

Applications

- Structural adhesives
- Coatings
- Civil engineering
- Filament winding, lamination
- Electronic encapsulation

Specification

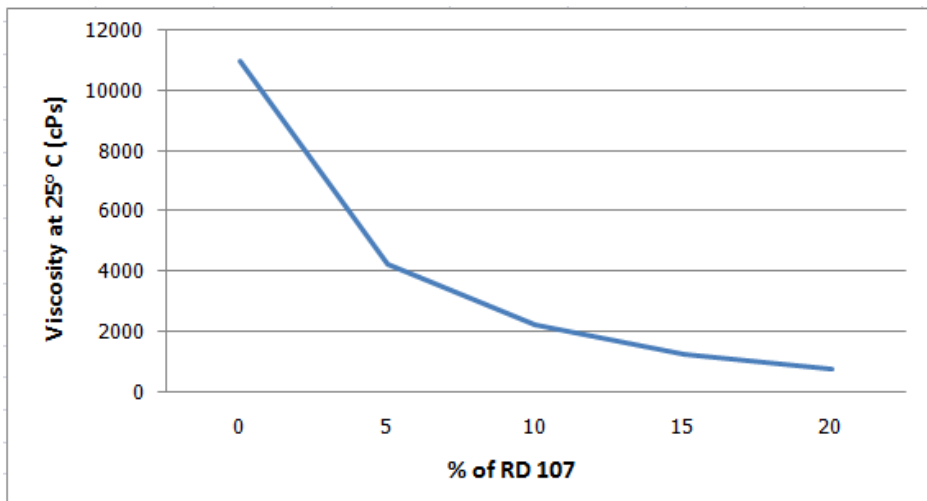
Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	0.5 G max.
Epoxy Equivalent weight	ASTM D 1652-04	140 - 155 g/eq
Hydrolysable chlorine	ASTM D 1726-03	0.1 % max.
Viscosity @ 25°C	ASTM D 2196-05	15 - 25 cP
Water content	ASTM E 203-01	0.1 % max.
Epichlorohydrin content	TEC-AS-P-023	10 ppm max.

Typical properties*

Epoxide Value	6.45 - 7.14 eq/kg
Density @ 25°C	1.06 g/ml
Flash point	150 °C

* = Typical properties are indicated for information only

General information **Effect of % RD 107 on viscosity of standard liquid epoxy resin.**



Packing

Epotec RD 107 is packed and delivered in steel drums, 220 kg per drum as a standard pack.
Other packs are available on request.

Storage

Epotec RD 107 reactive diluent should be stored in original tightly closed container, in dry and cool conditions away from excessive heat and humidity. Under these conditions, it has a storage life of at least two years from the date of manufacturing.

Handling

Please refer to the MSDS of the product for more instructions on safe storage and handling of epotec RD 107.

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.epotec.info, E-Mail: epoxymktg@adityabirla.com