



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

EPOTEC RD 106**Description**

Epotec RD 106 is an aromatic mono-functional reactive diluent based on p-tertiary butyl phenol. Epotec RD 106 is used as viscosity reducer for high viscosity resins and is particularly useful in applications requiring combination of good electrical properties, low viscosity, low volatility and low odour level.

Epotec RD 106 is compatible with virtually all classes of epoxy resins. The highly aromatic structure of epotec RD 106 contributes to a slightly rigid, less flexible cured state than that developed by other reactive diluents. Use of epotec RD 106 generally results in excellent maintenance of, or improvement in electrical properties when reducing epoxy system to proper application viscosity.

Applications

- Coatings
- Adhesives
- Flooring
- Laminates, electrical impregnation
- Tooling, potting and encapsulation

Specification

Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	0.5 G max.
Epoxy Equivalent weight	ASTM D 1652-04	215 – 240 g/eq
Viscosity @25°C	ASTM D 2196-05	10 – 30 cP
Hydrolysable Chlorine	ASTM D 1726-03	0.1 % max.
Water content	ASTM E 203-01	0.1 % max.
Epichlorohydrin content	TEC-AS-P-023	10 ppm max.

Typical properties *

Epoxide Value	ASTM D 1652-04	4.17 – 4.65
Density @25°C	ASTM D 1475-98	1.02 g/ml
Non-volatile content	ASTM D 1259-06	100 %
Flash point	ASTM D 93	135°C

* = Typical properties are indicated for information only

Packing Epotec RD 106 is packed and delivered in steel drums, 210 kg per drum as a standard pack.
Other packs are available on request.

Storage Epotec RD 106 reactive diluent should be stored in original tightly closed container, in dry and warm conditions. 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 106.

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.adityabirlachemicals.com, E-Mail: epoxymktg@adityabirla.com