


Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)
EPOTEC RD 109
Description

Epotec RD 109 is mono-glycidyl ether of C12-C13 fatty alcohol. The primary use of epotec RD 109 is as a reactive diluent for high viscosity epoxy resins. Epotec RD 109 is compatible in all concentrations with epoxy resin and those resin blends can be cured with variety of epoxy hardeners.

As with all mono-functional aliphatic epoxies, increase in the level of epotec RD 109 in the epoxy resin blend will increase pot life and modify cured resin properties although it must be kept in mind that increasing reactive diluent quantity beyond certain value will reduce the hardness and glass transition temperature of the system dramatically.

Applications

- Self leveling flooring, grouts
- General purpose coatings
- Potting and encapsulation
- General purpose adhesives

Specification

Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	0.5 G max.
Epoxy Equivalent weight	ASTM D 1652-04	275 – 300 g/eq
Viscosity @25°C	ASTM D 2196-05	5 – 10 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	3.33 – 3.64
Density @25°C	ASTM D 1475-98	0.89 g/ml
Non-volatile content	ASTM D 1259-06	100 %
Flash point	ASTM D 93	150°C

* = Typical properties are indicated for information only

Packing Epotec RD 109 is packed and delivered in steel drums, 190 kg per drum as a standard pack.
Other packs are available on request.

Storage Epotec RD 109 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 109.

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