


Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)
EPOTEC RD 105
Description

Epotec RD 105 is mono-functional reactive diluent based on o-Cresol. The main use of epotec RD 105 is for reducing viscosity of conventional epoxy resins. The blends so prepared can be reacted with all the common curing agents employed for curing epoxy resin.

Epotec RD 105 is known for its excellent retention of mechanical and chemical resistance properties relative to other monoepoxide diluents, also it does not influence the reactivity of the blends as it happens in the case with aliphatic mono-functional reactive diluents.

Applications

- Adhesives
- Floorings and other construction applications
- Casting
- 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	175 – 190 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	5.26 – 5.71
Density @25°C	ASTM D 1475-98	1.09 g/ml
Non-volatile content	ASTM D 1259-06	100 %
Flash point	ASTM D 93	120°C

* = Typical properties are indicated for information only

Packing Epotec RD 105 is packed and delivered in steel drums, 220 kg per drum as a standard pack.
Other packs are available on request.

Storage Epotec RD 105 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 105.

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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