


Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)
EPOTEC RD 111
Description

Epotec RD 111 is a low viscosity cyclo-aliphatic di-functional epoxy reactive diluent based on cyclohexane dimethanol. It is primarily used as a reactive diluent for high viscosity epoxy resins. Epotec RD 111 is compatible in all concentrations with all classes of epoxy resins. Being cyclo-aliphatic in nature, epotec RD 111 improves UV resistance of the epoxy formulations.

Applications

- Coatings
- Civil applications
- Electronic encapsulation

Specification

Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	1.0 G max.
Epoxy Equivalent weight	ASTM D 1652-04	165 – 185 g/eq
Viscosity @25°C	ASTM D 2196-05	60 – 90 cP
Hydrolysable Chlorine	ASTM D 1726-03	0.1 % max.
Water content	ASTM E 203-01	0.1 % max.
ECH content	TEC-AS-P-023	10 ppm

Typical properties *

Epoxide Value	ASTM D 1652-04	5.41 – 6.06
Density @25°C	ASTM D 1475-98	1.09 g/ml
Non-volatile content	ASTM D 1259-06	100 %
Flash point	ASTM D 93	130°C

* = Typical properties are indicated for information only

Packing Epotec RD 111 is packed and delivered in steel drums, 220 kg per drum as a standard pack.
Other packs are available on request.

Storage Epotec RD 111 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 111.

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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