


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

Epotec RD 111 is a low viscosity cyclo-aliphatic di-functional epoxy reactive diluents based on cyclohexane dimethanol. It is primarily used as reactive diluents 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.

Salient features

- Good maintenance of physical properties
- Modulate dilution efficiency

Applications

- Coatings
- Electrical and electronic encapsulants
- Civil applications

Specification

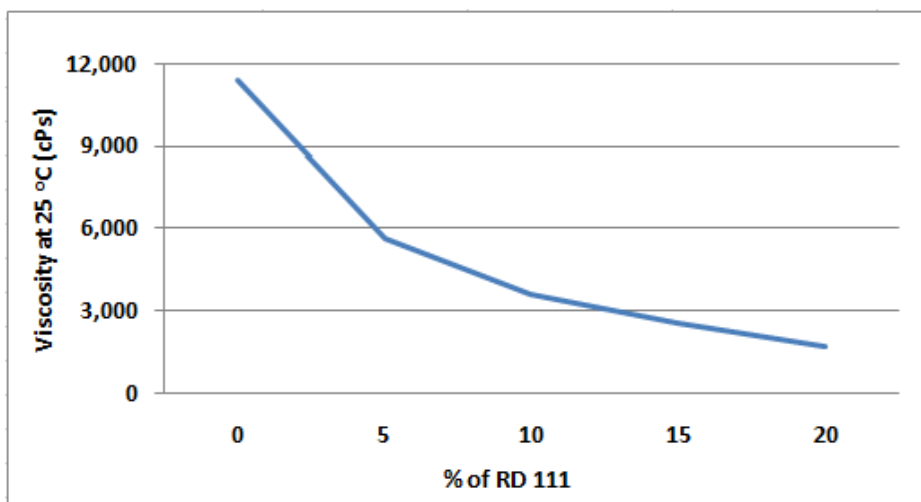
Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	0.5 G max.
Epoxy Equivalent weight	ASTM D 1652-04	145 - 165 g/eq
Hydrolysable chlorine	ASTM D 1726-03	0.1 % max.
Viscosity @ 25°C	ASTM D 2196-05	45 - 75 cP
Water content	ASTM E 203-01	0.1 % max.
Epichlorohydrin content	TEC-AS-P-023	10 ppm max.

Typical properties*

Epoxide Value	6.06 - 6.90 eq/kg
Density @ 25°C	1.1 g/ml
Flash point	> 110 °C

* = Typical properties are indicated for information only

General information **Effect of % RD 111 on viscosity of standard liquid epoxy resin.**



Packing

Epotec RD 111 is packed and delivered in steel drums, 220 kg per drum as a standard pack.

Storage

Epotec RD 111 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 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.

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