


Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)
EPOTEC RD 103LE
Description

Epotec RD 103LE is a low viscosity diglycidyl ether based on 1,4-butanediol. It is primarily used as a reactive diluent for epoxy system. It has lower viscosity than Epotec RD 103. It can reduce viscosity while maintaining most cured state properties.

Salient features

- Improve wetting characteristics
- Reduce viscosity while maintaining most cured state properties.

Applications

- Structural adhesive
- Coatings
- Civil engineering
- Filament winding, lamination
- Electronic encapsulation

Specification

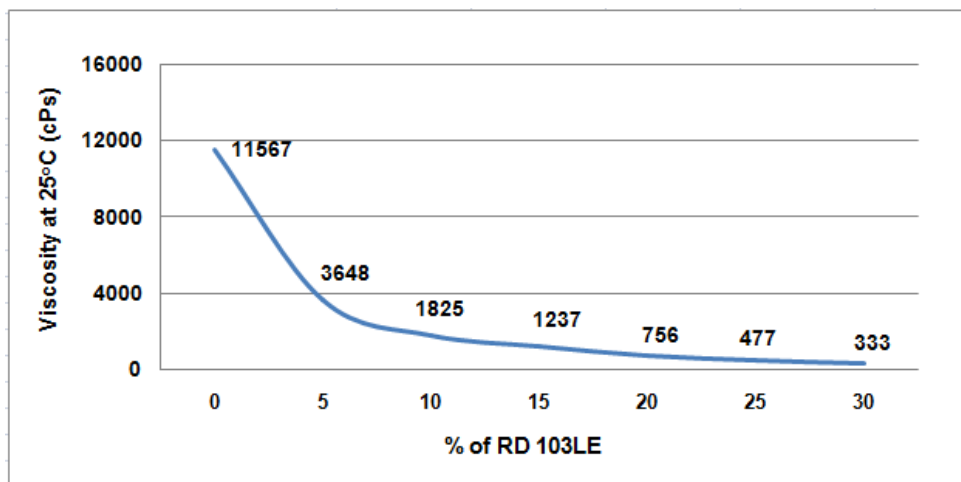
Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	0.5 G max.
Epoxy Equivalent weight	ASTM D 1652-04	120 - 130 g/eq
Viscosity @ 25°C	ASTM D 2196-05	10 - 20 cP
Hydrolysable chlorine	ASTM D 1726-03	0.1 % max.
Water content	ASTM E 203-01	0.1 % max.
Epichlorohydrin content	TEC-AS-P-023	10 ppm max.

Typical properties *

Epoxide Value	7.69 - 8.33 eq/kg
Density @ 25°C	1.0 - 1.1 g/ml
Flash point	140 °C

* = Typical properties are indicated for information only

General information **Effect of % RD 103LE on viscosity of standard epoxy resin**



Packing

Epotec RD 103LE is packed and delivered in steel drums, 210 kg per drum as a standard pack.

Storage

Epotec RD 103LE reactive diluent should be stored in original tightly closed container, in dry and cool conditions. Store 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 103LE.

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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