



Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)

**EPOTEC RD 103****Description**

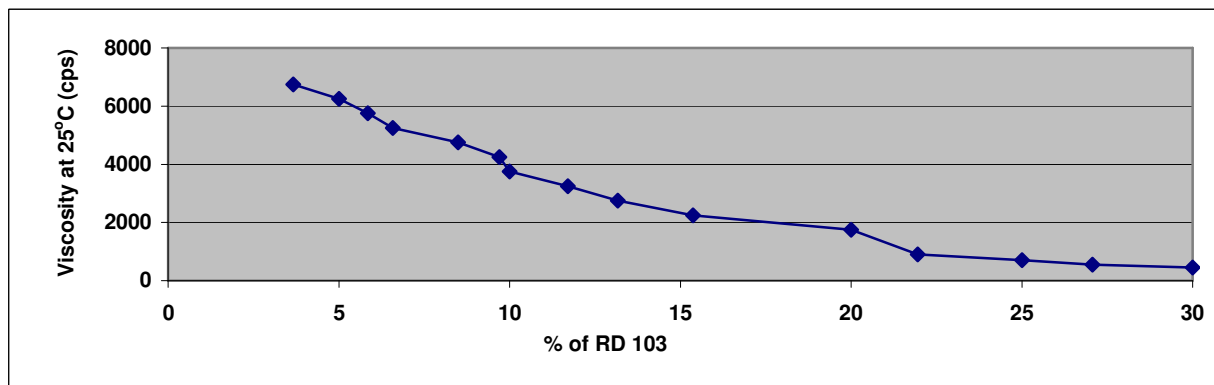
EPOTEC RD 103 is a low viscosity, aliphatic diepoxide compound based on 1,4- butanediol. It is intended for use as a reactive diluent for high viscosity epoxy resins. Those resins and resin/diluent blends can be cured using any epoxy resin curing agents. The difunctionality of EPOTEC RD 103 helps to produce formulations with improved chemical and heat resistance compared to formulation containing monofunctional diluents. Formulations containing EPOTEC RD 103 exhibits excellent wettability making them ideal candidates for composites and impregnation applications.

**Applications**

- Filament winding, laminating, vacuum pressure impregnation
- Civil engineering
- Electronic encapsulations

**Typical Properties**

Property	Test Method	Unit	Specification
Appearance	Visual	-	Clear liquid
Color	ASTM D 1544-04	Gardner	Max. 0.5
Epoxy Equivalent Weight	ASTM D 1652-04	g/eq	130 - 145
Viscosity @ 25 °C	ASTM D 2196-05	cPs	12 - 22
Hydrolysable chlorine	ASTM D 1726-03	wt%	Max. 0.1
Water content	ASTM E 203-01	ppm	Max. 1000

**Figure 1** Effect of % of RD 103 on viscosity of standard epoxy resin**Storage**

EPOTEC RD 103 should be stored in dry condition and kept closed in original sealed container. Under these conditions, it has a storage life of at least one year.

**Handling**

Please refer to MSDS for safe handling of EPOTEC RD 103.

**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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