



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

EPOTEC RD 107

Description

EPOTEC RD 107 is a low viscosity, aliphatic diepoxide compound based on 1,6-hexanediol. It is intended for use as a reactive diluent for high viscosity epoxy resins. EPOTEC RD 107 is compatible at all concentrations with all common resins. Those resins and resin/diluent blends can be cured using any epoxy resin curing agents. The difunctionality of EPOTEC RD 107 helps to produce formulations with improved chemical and heat resistance compared to formulation containing monofunctional diluents. Formulations containing EPOTEC RD 107 exhibits excellent wettability making them ideal candidates for composites and impregnation applications.

Applications

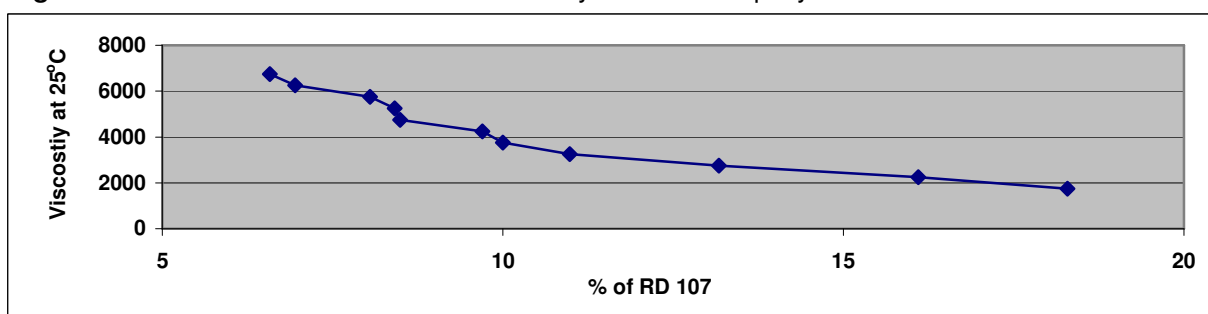
- Filament winding, laminating, vacuum pressure impregnation
- Civil engineering, structural adhesives
- Electronic encapsulations

Typical properties

Property	Test method	Unit	Specification
Appearance	Visual	-	Clear liquid
Color	ASTM D-1544 (89) TEC-AS-P-006	Gardner	Max. 0.5
Epoxy equivalent weight	DIN 16945/4.15B (89) TEC-AS-C-002	g/eq	147 - 161
Viscosity* @ 25 °C	JIS K 7233 (86)	cPs	15 - 25
Hydrolysable chlorine	ASTM D-1726 (87) TEC-AS-C-007	wt%	Max. 0.1
Water content	ASTM-D-4017 (90)	wt %	Max. 0.1

* Brookfield viscosity

Figure 1 Effect of % of RD 107 on viscosity of standard epoxy resin



Storage

EPOTEC RD 107 should be stored in dry condition and kept closed in original 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 107.

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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