



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

EPOTEC RD 106

Description

EPOTEC RD 106 is an aromatic mono epoxide reactive diluent based on p-tertiary butyl phenol. EPOTEC RD 106 is used as viscosity reducer for high viscosity resins and is particularly useful in epoxy applications requiring combination of good electrical properties, low viscosity, low volatility and low odor level. It is compatible with virtually all classes of epoxy resins. The highly aromatic structure of RD 106 contributes to a slightly rigid, less flexible cured state than that developed by an unmodified counterpart. Use of RD 106 generally results in excellent maintenance of, or improvement in electrical properties when reducing epoxy system to proper application viscosity.

Applications

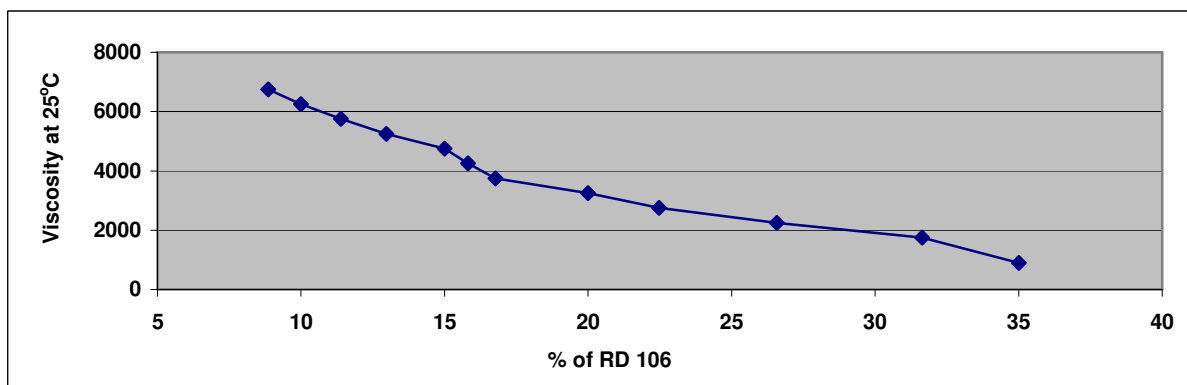
- Adhesives, flooring
- Laminating, electrical impregnation.
- Tooling, potting and encapsulation

Typical properties

Property	Test method	Unit	Specification
Appearance	Visual	-	Clear liquid
Color	ASTM D-1544 (89) TEC-AS-P-006	Gardner	Max. 2
Epoxy equivalent weight	DIN 16945/4.15B (89) TEC-AS-C-002	g/eq	220 - 240
Viscosity* @ 25 °C	JIS K 7233 (86)	cPs	10 - 30
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 106 on viscosity of standard epoxy resin



Storage

EPOTEC RD 106 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 106.

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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