



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

**EPOTEC TH 983**

**Description**

EPOTEC TH 983 is a solid phenolic hardener based on epoxy resin and Bisphenol-A containing a curing accelerator and flow modifier.

**Typical uses**

EPOTEC TH 983 is suitable for decorative and protective powder coatings. It is fully compatible with epoxy resin. The accelerator present in the hardener promotes the reaction between epoxy and phenolic groups whereas the flow modifier present in the hardener assist in the leveling of the coating during curing. The reactivity of EPOTEC TH 983 hardener can be adjusted by blending with the EPOTEC TH 981.

**Typical properties**

Property	Test method	Unit	Specification
Color	ASTM D-1544 (89) TEC-AS-P-006	Gardner	Milky white flakes
Hydroxyl equivalent weight	TEC-AS-C-024	g/eq	250 - 290
Melt viscosity @ 150 °C	ASTM D-4287 (88)	cPs	290 - 750
Softening point	JIS K 7234 (86) ASTM E 28-67 (82)	°C	75 - 90

**Packing**

EPOTEC TH 983 is packed and delivered in opaque PE bags weighing 25 kg net each.

**Storage**

EPOTEC TH 983 resin should be stored in dry and cool condition in original sealed bag. Under these conditions, it has a storage life of at least one year. Acute toxicity and skin irritation of EPOTEC TH 983 resin is of very low order, however it is advised to use personnel protective equipment to avoid inhalation of dust. It is also advised to take precaution against static electric hazards while emptying bags.

**Handling**

Please refer to MSDS for safe handling of EPOTEC TH 983.

**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:**

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

Mahatun Plaza Bldg., 16<sup>th</sup> Floor 888/167 Ploenchit Road, Lumpini, Bangkok 10330 Thailand.

Tel: (662) 2535031-3, Fax: (662) 2535030

Web Site: [www.adityabirlachemicals.com](http://www.adityabirlachemicals.com), E-Mail: [epoxymktg@adityabirla.com](mailto:epoxymktg@adityabirla.com)