



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

**EPOTEC TH 7902****Description**

EPOTEC TH 7902 is a phenol free mannish base epoxy curing agent. It can cure at low temperature and in high humid conditions.

**Applications**

- Chemical resistant coatings
- Chemical resistant mortars
- Adhesives

**Advantages**

- Fast cure at low temperature
- Can cure in high humid conditions
- Provide surface with good gloss and very good chemical resistance
- Phenol free and low viscosity

**Typical properties**

Property	Test method	Unit	Specification
Appearance	Visual	-	Straw-colored liquid
Color	ASTM-D-1544 (89) TEC-AS-P-006	Gardner	Max. 3.0
Amine value	TEC-AS-C-058	mgKOH/g	345 - 375
Viscosity* @ 25°C	JIS-K-7233 (86)	cPs	120 - 320

\* Brookfield viscosity

**Typical application properties** - with standard Bisphenol A epoxy resin EPOTEC YD 128, EEW = 190 g/eq

Property	Test method	Unit	Specification
Mixing ratio	-	By Weight	100 : 55
Mixed viscosity* @ 25°C	JIS K 7233 (86)	cPs	2,000 - 2,500
Gel time (100 gram mix) @ 25°C	Techne GT-3 Gelation timer	Minutes	23 - 27
Thin film set time @ 25°C	-	Hours	3 - 5

\* Brookfield viscosity

**Typical performance properties\***

Property	Test method	Unit	Specification
Glass transition temperature	ASTM-D-3418 (82)	°C	min 50
Tensile strength	ASTM-D-638 (86)	Kg/cm <sup>2</sup>	350 - 450
Tensile elongation	ASTM-D-638 (86)	%	1 - 1.5
Flexural strength	ASTM-D-695 (85)	Kg/cm <sup>2</sup>	750 - 850
Hardness	ASTM-D-2240 (86)	Shore D	77 - 79

\*Sample cured with standard Bisphenol-A epoxy resin (EEW = 190 g/eq) at 25°C (77°F) for 7 days.

**Storage**

Storage life is at least 12 months from the date of manufacture when stored in original sealed container. Store the material in good ventilated, dry and cool place. Store the material away from sources of heat, ignition and direct sunlight.

**Handling**

Please refer to MSDS for safe handling of EPOTEC TH 7902.

**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)