



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

EPOTEC TH 7207**Description**

EPOTEC TH 7207 is a modified aliphatic amine useful for room temperature or low temperature curing of epoxy resins. It can also be used as an accelerator for other amine and polyamide hardeners.

Applications

- Rapid setting adhesive
- Crack injection system
- Accelerator for other hardeners

Advantages

- Rapid cure at low temperature
- Low viscosity

Typical properties

Property	Test method	Unit	Specification
Appearance	Visual	-	Light yellow color liquid
Color	ASTM-D-1544 (89) TEC-AS-P-006	Gardner	Max. 3.0
Amine value	TEC-AS-C-058	mgKOH/g	615 - 675
Viscosity* @ 25 °C	JIS-K-7233 (86)	cPs	150 - 350

* 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 : 50
Mixed viscosity* @ 25 °C	JIS-K-7233 (86)	cPs	2,700 - 3,000
Gel time (100 gram mix) @ 25 °C	Techne GT-3 Gelation timer	Minutes	8 - 12
Thin film set time @ 25 °C	-	Hours	1 - 2

* 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 ²	800 - 900
Tensile elongation	ASTM-D-638 (86)	%	4 - 4.5
Flexural strength	ASTM-D-790 (86)	Kg/cm ²	1,050 - 1,200
Compressive strength @ yield	ASTM-D-695 (85)	Kg/cm ²	900 - 950

* Sample cured with standard Bisphenol-A epoxy resin EPOTEC YD 128, (EEW = 190 g/eq) at 25°C (77°F) for 7 days.

Storage

Storage life at least 12 months from the date of manufacture in original sealed container. Store in good ventilated cool place. Store away from heat and humidity.

Handling

Please refer to MSDS for safe handling of EPOTEC TH 7207.

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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