

EPOTEC TH 7211

Description

EPOTEC TH 7211 is a low viscosity modified aliphatic amine curing agent.

Applications

- High solid/low VOC solvent free coatings
- Adhesives
- Castings
- Laminates

Advantages

- Good colour and colour stability
- Good impact resistance
- Provide surface with high gloss
- Resistance to amine blush

Typical properties

Property	Test method	Unit	Specification
Appearance	Visual	-	Water-white liquid
Colour	ASTM-D-1544 (89) TEC-AS-P-006	Gardner	Max. 2.0
Amine value	TEC-AS-C-058	mg KOH/g	300 - 330
Viscosity* @ 25°C	JIS-K-7233 (86)	cPs	40 - 80

* Brookfield viscosity

Typical application properties

Property	Test method	Unit	Specification
Mixing ratio with standard epoxy resin (EEW = 190 g/eq)	-	By Weight	100 : 40
Mixed viscosity* @ 25°C	JIS-K-7233 (86)	cPs	1,500 - 2,000
Gel time (100 gram mix) @ 25°C	Techne GT-3 Gelation timer	Minutes	100 - 140
Thin film set time @ 25°C	-	Hours	11 - 13

* Brookfield viscosity

Typical performance properties*

Property	Test method	Unit	Specification
Glass transition temperature	ASTM-D-3418 (82)	°C(°F)	min 40 (104)
Tensile strength	ASTM-D-638 (86)	Kg/cm ²	300 - 400
Tensile elongation	ASTM-D-638 (86)	%	1 - 2
Flexural strength	ASTM-D-790 (86)	Kg/cm ²	800 - 900
Hardness	ASTM-D-2240 (86)	Shore D	80 - 82

*Sample cured with standard Bisphenol-A epoxy resin (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 7211.

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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