



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

**EPOTEC YD 128X****Description**

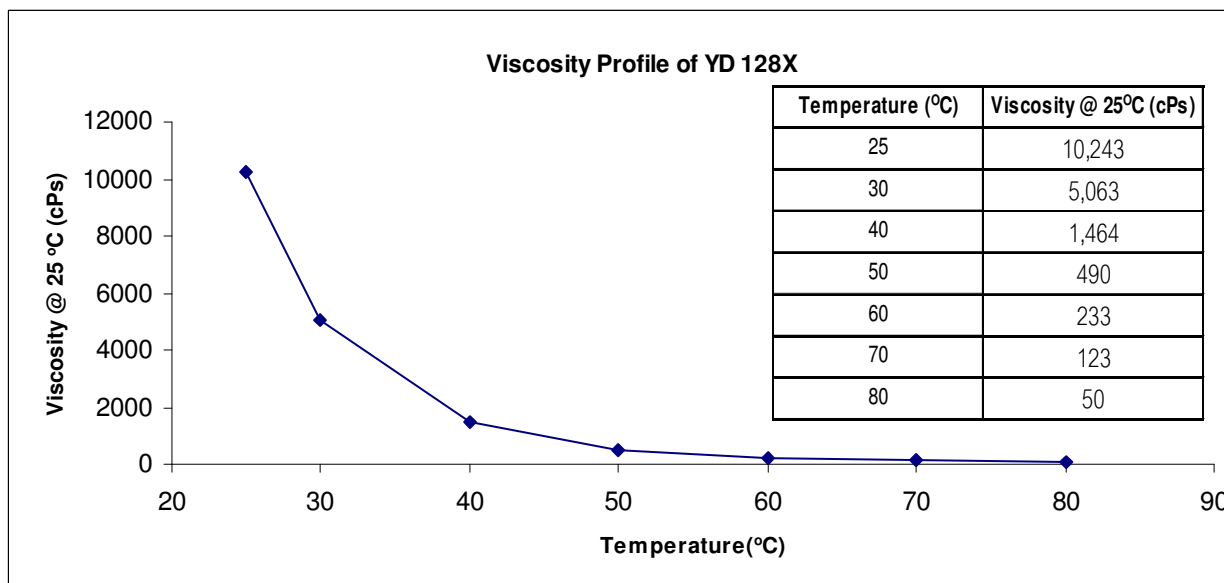
EPOTEC YD 128X is a modified medium viscosity Bisphenol A based epoxy resin. It provides good pigment, filler wetting, resistance to filler setting good mechanical and chemical resistance properties. As per the lab test (Please refer ISO test method 4895) it is considered to have good resistance to crystallization on storage as compared to unmodified YD 127, YD 128 resin.

**Applications**

- Composites
- Electrical and electronic where highest level of electrical properties are not require.
- Building and civil application like mortar, flooring, grouts etc.

**Typical properties**

Property	Test method	Unit	Specification
Appearance	Visual	-	Clear Viscous Liquid
Color	ASTM-D-1544 (89) TEC-AS-P-006	Gardner	Max. 2.0
Epoxy equivalent weight	DIN-16945/4.15B (89) TEC-AS-C-002	g/eq	190 - 205
Viscosity* @ 25 °C	JIS-K-7233 (86)	cPs	9,000 - 13,000

**Typical viscosity profile vs. temperature****Typical application properties**

Property	Unit	YD 128x : TH 7301	YD 128x : TH 7307
Mixing ratio	By Weight	100 : 57	100 : 42
Viscosity (mixed) @ 25 °C	cPs	4,000 - 6,000	1,000 - 2,000
Pot life 100 grams mix, @ 25 °C	Mins.	30 - 45	25 - 35
Touch free time, @ 25 °C	Hrs	5 - 6	4 - 5

EPOTEC TH 7301 and TH 7307 are modified cycloaliphatic hardener.

**Typical application properties cure @ 25 °C for 7 day**

Property	Unit	YD 128 X : TH 7301	YD 128 X : TH 7307
Glass transition temperature	°C	60 - 65	60 - 65
Tensile strength	Kg/cm <sup>2</sup>	400 - 500	430 - 550
Compressive strength	Kg/cm <sup>2</sup>	630 - 770	600 - 750
Flexural strength	Kg/cm <sup>2</sup>	630 - 740	615 - 730
Hardness	Shore D	80 - 82	80 - 82

**Packing**

EPOTEC YD 128X is delivered in 200 Liter capacity metal drums.

**Storage**

EPOTEC YD 128 X should be stored in cool and dry place. Under these condition the storage life in at least one year.

**Handling**

Please refer to MSDS for safe handling of EPOTEC YD 128 X

**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)**

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