

D.E.H.™ 444

Please use this Technical Data Sheet (TDS) in conjunction with this product's country-specific Safety Data Sheet (SDS) and the Safe Use conditions as described therein. Current Safety Data Sheets can be requested from Olin at info@olinbc.com

Description D.E.H.™ 444 Epoxy Curing Agent is a low viscosity modified cycloaliphatic amine based curing agent for epoxy resins.

Benefits Epoxy systems cured with D.E.H.™ 444 have a very low tendency to yellowing when exposed to UV-irradiation and tend to have a long pot life.

Applications

- Building & Civil Engineering: Mortars & Grouts
- Building & Civil Engineering: Roller Coating Flooring
- Building & Civil Engineering: Self-leveling Flooring
- Composites
- Industrial Coatings: Marine and Protective

Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
AHEW	93 g/eq	93 g/eq	
Viscosity, absolute (77°F (25°C))	160 to 220 mPa·s	160 to 220 mPa·s	ASTM D445
Colour (Max. Gardner)	1	1	ASTM D1544
Density (77°F (25°C))	1.01 g/cm ³	1.01 g/cm ³	ASTM D4052
Amine Value	320 to 350 mg KOH/g	320 to 350 mg KOH/g	ISO 9702
Pot Life ² (73°F (23°C), 100 g)	56 min	56 min	GELNORM Geltimer-TC
Shore D Hardness ³			DIN 53505
55°F (13°C), 80% RH, 1.0 day	19	19	
55°F (13°C), 80% RH, 2.0 day	60	60	
55°F (13°C), 80% RH, 7.0 day	76	76	
73°F (23°C), 50% RH, 1.0 day	65	65	
73°F (23°C), 50% RH, 2.0 day	75	75	
73°F (23°C), 50% RH, 7.0 day	76	76	
Compressive Strength ³			ISO 604
14.0 day, 73°F (23°C), 50% RH	12600 psi	87.0 MPa	
Flexural Strength ³			ISO 178
8.0 day, 73°F (23°C), 50% RH + 3 hrs @ 80°C	12900 psi	89.0 MPa	
Tensile Strength ³			ISO 527-2
14.0 day, 73°F (23°C), 50% RH	7110 psi	49.0 MPa	
Elongation at Break ³			ISO 527-2
14.0 day, 73°F (23°C), 50% RH	3.6 %	3.6 %	

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ Typical properties: these are not to be construed as specifications.

² Reference Resin: D.E.R.™ 331

³ Reference Resin: D.E.R.™ 3581

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Regulatory Datasheets (RDS)

Olin Corporation provides information on the regulatory status of its products under prominent regulatory programs in the Regulatory Datasheet (RDS). Regulatory Datasheets can be requested from Olin at info@olinbc.com

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