

D.E.H.™ 488

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.™ 488 Epoxy Curing Agent is a low viscosity, modified cycloaliphatic polyamine based, curing agent for epoxy resins.

Benefits D.E.H.™ 488 is not manufactured with nonylphenol. It has low viscosity and good acid and chemical resistance. Epoxy resin systems cured with D.E.H.™ 488 at temperatures above 10 °C show tack-free and colorfast surfaces. D.E.H.™ 488 has an outstanding resistance to early water spotting.

Applications

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

Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
AHEW	93 g/eq	93 g/eq	
Viscosity, kinematic (77°F (25°C), Solution)	280 to 380 cSt	280 to 380 cSt	ASTM D445
Colour (Max. Gardner)	2	2	ASTM D1544
Amine Value	300 to 330 mg KOH/g	300 to 330 mg KOH/g	ISO 9702
Pot Life ² (73°F (23°C), 100 g)	25 min	25 min	GELNORM Geltimer-TC
Shore D Hardness ³			DIN 53505
55°F (13°C), 80% RH, 1.0 day	32	32	
55°F (13°C), 80% RH, 2.0 day	56	56	
55°F (13°C), 80% RH, 7.0 day	78	78	
73°F (23°C), 50% RH, 1.0 day	56	56	
73°F (23°C), 50% RH, 2.0 day	66	66	
73°F (23°C), 50% RH, 7.0 day	74	74	
Pendulum Hardness (Koenig) ³			DIN 53157
55°F (13°C), 80% RH, 1.0 day	9	9	
55°F (13°C), 80% RH, 2.0 day	23	23	
55°F (13°C), 80% RH, 7.0 day	119	119	
73°F (23°C), 50% RH, 1.0 day	54	54	
73°F (23°C), 50% RH, 2.0 day	107	107	
73°F (23°C), 50% RH, 7.0 day	159	159	
Compressive Strength ³			ISO 604
14.0 day, 73°F (23°C), 50% RH	11000 psi	76.0 MPa	
Flexural Strength ³			ISO 178
8.0 day, 73°F (23°C), 50% RH + 3 hrs @ 80°C	8700 psi	60.0 MPa	
Tensile Strength ³			ISO 527-2
14.0 day, 73°F (23°C), 50% RH	4640 psi	32.0 MPa	
Elongation at Break ³			ISO 527-2
14.0 day, 73°F (23°C), 50% RH	2.0 %	2.0 %	

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.™ 3531

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Olin encourages its customers and potential users of Olin products to review their applications for such products from the standpoint of human health and environmental quality. To help ensure that Olin products are not used in ways for which they were not intended or tested, Olin personnel are available to assist customers in dealing with ecological and product safety considerations. Your Olin sales representative can arrange for the proper contacts.

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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