

D.E.H.™ 4042

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.™ 4042 Epoxy Curing Agent is a modified cycloaliphatic polyamine based curing agent for epoxy resins, with a very long potlife.

Benefits Epoxy systems cured with D.E.H.™ 4042 offer good color and light stability, as well as tack-free surfaces and an excellent early water resistance. D.E.H.™ 4042 is therefore suitable for high quality industrial floors and sealer coats with good chemical and mechanical properties.

Applications

- Adhesives
- Building & Civil Engineering: Mortars & Grouts
- Building & Civil Engineering: Roller Coating Flooring
- Building & Civil Engineering: Self-leveling Flooring

Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
AHEW	100 g/eq	100 g/eq	
Viscosity, absolute (77°F (25°C))	100 to 200 mPa·s	100 to 200 mPa·s	ISO 3219
Colour (Max. Gardner)	1	1	ASTM D1544
Density (68°F (20°C))	1.01 g/cm ³	1.01 g/cm ³	ASTM D4052
Amine Value	290 to 320 mg KOH/g	290 to 320 mg KOH/g	ISO 9702
Pot Life ² (73°F (23°C), 100 g)	60 min	60 min	GELNORM Geltimer-TC
Shore D Hardness ³			DIN 53505
55°F (13°C), 80% RH, 1.0 day	10	10	
55°F (13°C), 80% RH, 2.0 day	25	25	
55°F (13°C), 80% RH, 7.0 day	69	69	
73°F (23°C), 50% RH, 1.0 day	37	37	
73°F (23°C), 50% RH, 2.0 day	69	69	
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	8	8	
55°F (13°C), 80% RH, 2.0 day	9	9	
55°F (13°C), 80% RH, 7.0 day	74	74	
73°F (23°C), 50% RH, 1.0 day	26	26	
73°F (23°C), 50% RH, 2.0 day	67	67	
73°F (23°C), 50% RH, 7.0 day	141	141	
Compressive Strength ³			ISO 604
14.0 day, 73°F (23°C), 50% RH	10600 psi	73.0 MPa	
Flexural Strength ³			ISO 178
8.0 day, 73°F (23°C), 50% RH + 3 hrs @ 80°C	8410 psi	58.0 MPa	
Tensile Strength ³			ISO 527-2
14.0 day, 73°F (23°C), 50% RH	4930 psi	34.0 MPa	
Elongation at Break ³			ISO 527-2
14.0 day, 73°F (23°C), 50% RH	4.5 %	4.5 %	

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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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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