

## D.E.H.™ 4044

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](mailto:info@olinbc.com)

**Description** D.E.H.™ 4044 Epoxy Curing Agent is a fast curing, modified cycloaliphatic polyamine based curing agent for epoxy resins.

**Benefits** Epoxy systems cured with D.E.H.™ 4044 offer outstanding acid- and solvent resistance and good color and UV resistance. They have tack-free surfaces and an excellent early water resistance. It is therefore suitable for high quality industrial floors and sealer coats, with good chemical and mechanical properties.

**Applications**

- Building & Civil Engineering: Mortars & Grouts
- 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	115 g/eq	115 g/eq	
Viscosity, absolute (77°F (25°C))	600 to 900 mPa·s	600 to 900 mPa·s	ISO 3219
Colour (Max. Gardner)	2	2	ASTM D1544
Density (68°F (20°C))	1.04 g/cm <sup>3</sup>	1.04 g/cm <sup>3</sup>	ASTM D4052
Amine Value	270 to 290 mg KOH/g	270 to 290 mg KOH/g	ISO 9702
Pot Life <sup>2</sup> (73°F (23°C), 100 g)	25 min	25 min	GELNORM Geltimer-TC
Shore D Hardness <sup>3</sup>			DIN 53505
55°F (13°C), 80% RH, 1.0 day	15	15	
55°F (13°C), 80% RH, 2.0 day	58	58	
55°F (13°C), 80% RH, 7.0 day	81	81	
73°F (23°C), 50% RH, 1.0 day	58	58	
73°F (23°C), 50% RH, 2.0 day	64	64	
73°F (23°C), 50% RH, 7.0 day	76	76	
Pendulum Hardness (Koenig) <sup>3</sup>			DIN 53157
55°F (13°C), 80% RH, 1.0 day	8	8	
55°F (13°C), 80% RH, 2.0 day	25	25	
55°F (13°C), 80% RH, 7.0 day	121	121	
73°F (23°C), 50% RH, 1.0 day	50	50	
73°F (23°C), 50% RH, 2.0 day	82	82	
73°F (23°C), 50% RH, 7.0 day	142	142	
Compressive Strength <sup>3</sup>			ISO 604
14.0 day, 73°F (23°C), 50% RH	10300 psi	71.0 MPa	
Flexural Strength <sup>3</sup>			ISO 178
8.0 day, 73°F (23°C), 50% RH + 3 hrs @ 80°C	10400 psi	72.0 MPa	
Tensile Strength <sup>3</sup>			ISO 527-2
14.0 day, 73°F (23°C), 50% RH	5950 psi	41.0 MPa	
Elongation at Break <sup>3</sup>			ISO 527-2
14.0 day, 73°F (23°C), 50% RH	4.3 %	4.3 %	

### Notes

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

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Reference Resin: D.E.R.™ 331

<sup>3</sup> Reference Resin: D.E.R.™ 3531

## Product Stewardship

Olin Corporation has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis of our Product Stewardship philosophy by which we assess the health and environmental information on our products and then take the appropriate steps to protect employee and public health and the environment.

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](mailto:info@olinbc.com)

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