

## D.E.H.™ 487

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.™ 487 Epoxy Curing Agent is a low viscosity, modified cycloaliphatic polyamine based, curing agent for epoxy resins. Epoxy resin systems cured with D.E.H.™ 487 Epoxy Curing Agent at temperatures above 10 °C show good early water resistance, making them an excellent choice for marine and floor applications, including epoxy primers and highly-filled, self-leveling floor coatings.

**Benefits** D.E.H.™ 487 is not manufactured with phenol or nonylphenol. It has high reactivity, low viscosity, and good acid and chemical resistance.

**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, absolute (77°F (25°C))	170 to 270 mPa·s	170 to 270 mPa·s	ASTM D445
Colour (Max. Gardner)	< 2	< 2	ASTM D1544
Amine Value	310 to 340 mg KOH/g	310 to 340 mg KOH/g	ISO 9702
Pot Life <sup>2</sup> (73°F (23°C), 100 g)	41 min	41 min	GELNORM Geltimer-TC
Shore D Hardness <sup>3</sup>			DIN 53505
55°F (13°C), 80% RH, 1.0 day	28	28	
55°F (13°C), 80% RH, 2.0 day	61	61	
55°F (13°C), 80% RH, 7.0 day	80	80	
73°F (23°C), 50% RH, 1.0 day	59	59	
73°F (23°C), 50% RH, 2.0 day	70	70	
73°F (23°C), 50% RH, 7.0 day	75	75	
Pendulum Hardness (Koenig) <sup>3</sup>			DIN 53157
55°F (13°C), 80% RH, 1.0 day	9	9	
55°F (13°C), 80% RH, 2.0 day	32	32	
55°F (13°C), 80% RH, 7.0 day	115	115	
73°F (23°C), 50% RH, 1.0 day	46	46	
73°F (23°C), 50% RH, 2.0 day	90	90	
73°F (23°C), 50% RH, 7.0 day	138	138	
Compressive Strength <sup>3</sup>			ISO 604
14.0 day, 73°F (23°C), 50% RH	10900 psi	75.0 MPa	
Flexural Strength <sup>3</sup>			ISO 178
8.0 day, 73°F (23°C), 50% RH + 3 hrs @ 80°C	10600 psi	73.0 MPa	
Tensile Strength <sup>3</sup>			ISO 527-2
14.0 day, 73°F (23°C), 50% RH	5660 psi	39.0 MPa	
Elongation at Break <sup>3</sup>			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.

<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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## Contact Information

<b>USA:</b>	1-844-238-3445	<b>Canada:</b>	1-877-304-4442
<b>China:</b>	86-4008859485	<b>France:</b>	33-176361145
<b>Germany:</b>	49-41417693000	<b>Hong Kong:</b>	852-58081886
<b>Italy:</b>	39-0694805761	<b>Japan:</b>	81-345406770
<b>Latin America:</b>	55-1151884105	<b>Russia:</b>	7-4996092327
<b>Singapore:</b>	65-31632006	<b>South Korea:</b>	82-260221296
<b>United Kingdom:</b>	44-8000869047		

[www.OlinEpoxy.com](http://www.OlinEpoxy.com)

