

## D.E.R.™ 327

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.R.™ 327 Liquid Epoxy Resin is a mono-functional reactive diluent modified liquid epoxy resin that has excellent resistance to crystallization.

D.E.R. 327 Liquid Epoxy Resin is a C12-C14 aliphatic glycidyl ether modified bisphenol A based liquid epoxy resin. D.E.R. 327 has a very low viscosity. D.E.R. 327 was designed to have excellent resistance to crystallization. D.E.R. 327 offers a lower surface tension than other reactive diluent modified liquid epoxy resins. The lower surface tension results in excellent surface wetting, adhesion and lower viscosity at a given filler loading. The extreme low viscosity in combination with the significantly reduced surface tension can translate into cost savings of the formulated system as more filler can be used to reach the same viscosity. The aliphatic chain reactive diluent increases the pot life as well as the flexibility (impact resistance) of the thermoset. Although the reactive diluent limits the solvent resistance somewhat, acid resistance is improved.

A wide variety of curing agents is available to cure this liquid epoxy resin at ambient conditions. Most frequently used are cycloaliphatic polyamines, polyamides, amidoamines and modified versions of these.

- Applications**
- Adhesives
  - Building & Civil Engineering: Mortars & Grouts
  - Building & Civil Engineering: Primers & Impregnation
  - Building & Civil Engineering: Roller Coating Flooring
  - Building & Civil Engineering: Self-leveling Flooring
  - Castings / Potting / Encapsulation / Tooling

Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
EEW	196 to 212 g/eq	196 to 212 g/eq	ASTM D1652
Viscosity, absolute (77°F (25°C))	500 to 700 mPa·s	500 to 700 mPa·s	ASTM D445
Density (77°F (25°C))	1.10 g/cm <sup>3</sup>	1.10 g/cm <sup>3</sup>	

### Notes

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

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## Product Stewardship

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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](mailto:info@olinbc.com)

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