

D.E.R.™ 321

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.R.™ 321 Liquid Epoxy Resin is a reaction product of epichlorohydrin and bisphenol A modified with an aromatic mono-functional reactive diluent.

D.E.R. 321 Liquid Epoxy Resin is ortho-cresyl glycidyl ether diluted standard bisphenol A based liquid epoxy resin, of extremely low viscosity. The low viscosity is advantageous in compounds containing large amounts of filler. D.E.R. 321 Resin has a cure rate similar to unmodified bisphenol A based liquid epoxy resins.

The reactive diluent contained in D.E.R. 321 Epoxy Resin limits somewhat the solvent resistance, however, an improved acid resistance can be observed using D.E.R. 321 Epoxy Resin in stead of D.E.R.™ 331™ Liquid Epoxy Resin. D.E.R. 321 Liquid Epoxy Resin exhibits a very low tendency to crystallize.

D.E.R. 321 Epoxy Resin can be hot or cold cured by blending with polyamine, polyamide and modified versions of these. Elevated temperature cures are necessary and post-cures required to develop full end properties if anhydride or catalytic curing agents are employed.

Applications

- Adhesives
- Building & Civil Engineering
- Castings / Potting / Encapsulation / Tooling
- Composites
- Industrial Coatings: Marine and Protective

Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
EEW	180 to 188 g/eq	180 to 188 g/eq	ASTM D1652
Viscosity, absolute (77°F (25°C))	500 to 700 mPa·s	500 to 700 mPa·s	ASTM D445
Colour (Max. Gardner)	3	3	ASTM D1544
Density (77°F (25°C))	1.14 g/cm ³	1.14 g/cm ³	ASTM D4052

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.

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

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