

D.E.R.™ 331™

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.™ 331™ Liquid Epoxy Resin is a liquid reaction product of epichlorohydrin and bisphenol A.

D.E.R. 331 Epoxy Resin is the most widely used general purpose liquid epoxy resin. It is recognized as the standard from which many variations have been developed.

A wide variety of curing agents is available to cure liquid epoxy resins at ambient conditions. The most frequently used are aliphatic polyamines, polyamides, amidoamines, cycloaliphatic amines and modified versions of these curing agents. Curing may also be done at an elevated temperature to improve selected properties such as chemical resistance and glass transition temperature. If anhydride or catalytic curing agents are employed, elevated temperature cures are necessary and long post-cures are required to develop full end properties.

Applications

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

Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
EEW	182 to 192 g/eq	182 to 192 g/eq	ASTM D1652
Viscosity, absolute (77°F (25°C))	11000 to 14000 mPa·s	11000 to 14000 mPa·s	ASTM D445
Colour (Max. Pt-Co.)	75	75	ASTM D1209
Density (77°F (25°C))	1.16 g/cm ³	1.16 g/cm ³	ASTM D4052
Hydrolyzable Chloride	< 500 ppm	< 500 ppm	ASTM D1726

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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