

D.E.R.™ 354

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.™ 354 Liquid Epoxy Resin is a standard liquid epoxy resin based on the reaction products of bisphenol F and epichlorohydrin.

D.E.R. 354 Liquid Epoxy Resin is an unmodified bisphenol F based liquid, low viscosity epoxy resin. It is compatible with common epoxy resins and can be blended with them in any ratio. It achieves a high degree of cure at ambient temperatures, providing improved resistance performance against solvents compared to standard bisphenol A liquid epoxy resins.

D.E.R. 354 Epoxy Resin may be used alone but is more frequently used in combination with standard bisphenol A liquid epoxy resins such as D.E.R. 330 Resin or D.E.R.™ 331™ Resin. By using suitable combinations of bisphenol A and bisphenol F epoxy resins, not only is the viscosity reduced but the tendency to crystallize is almost eliminated. See the Dow technical bulletin, Crystallization of Liquid Epoxy Resins, Form No. 296-01652.

A wide variety of curing agents is available to cure this resin at ambient conditions. Most frequently used are aliphatic polyamines, polyamides and modified versions of these. If anhydride or catalytic curing agents are employed, elevated temperature and long-post cures are required to develop full end properties.

Applications

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

Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
EEW	167 to 174 g/eq	167 to 174 g/eq	ASTM D1652
Viscosity, absolute (77°F (25°C))	3400 to 4200 mPa·s	3400 to 4200 mPa·s	ASTM D445
Colour (Max. Pt-Co.)	200	200	ASTM D1209
Density (77°F (25°C))	1.19 g/cm ³	1.19 g/cm ³	ASTM D4052
Hydrolyzable Chloride	< 1000 ppm	< 1000 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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