

D.E.N.™ 438™

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.N. 438 Epoxy Novolac Resin is a general purpose, widely used epoxy novolac resin. It is recognized as a standard for high temperature applications from which variations have been developed. D.E.N. 438 Resin has multi-epoxy functionality (± 3.6). These additional reactive sites produce tightly cross-linked cured systems. This makes D.E.N. 438 Epoxy Novolac Resin useful in adhesives, structural laminates, coatings and castings for elevated temperature service. The thermal stability of a phenolic backbone with the reactivity and versatility of a bisphenol A epoxy resin are combined in D.E.N. 438 Epoxy Novolac Resin. Laminates can be made using D.E.N. 438 Epoxy Novolac Resin in combination with mica, synthetic glass-fiber or fiberglass reinforcement. Semi-solid epoxy novolac resin. Average functionality of 3.6.

Applications

- Adhesives
- 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	176 to 181 g/eq	176 to 181 g/eq	ASTM D1652
Viscosity, absolute (125°F (52°C))	31000 to 40000 mPa·s	31000 to 40000 mPa·s	ASTM D445
Colour (Max. Pt-Co.)	250	250	ASTM D1209
Density (77°F (25°C))	1.22 g/cm ³	1.22 g/cm ³	ASTM D4052
Hydrolyzable Chloride	1200 ppm	1200 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

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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

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