

D.E.N.™ 438-MAK80

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-MAK80 Epoxy Novolac Resin is a solution of a semi-solid reaction product of epichlorohydrin and phenol-formaldehyde novolac in methyl n-amyl ketone.

D.E.N. 438-MAK80 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-MAK80 Resin has multi-epoxy functionality (± 3.6). These additional reactive sites produce tightly cross-linked cured systems. D.E.N. 438-MAK80 Epoxy Novolac Resin Solution is used alone or in combination with bisphenol A based epoxy resins in solution formulations where ease of mixing and processing is required. D.E.N. 438-MAK80 Resin is used in coating applications where an increased corrosion/chemical resistance is desired.

Applications • Industrial Coatings: Marine and Protective

Properties	Nominal Value (English)	Nominal Value (SI)	Test Method
EEW (Based on solids)	176 to 181 g/eq	176 to 181 g/eq	ASTM D1652
Viscosity, absolute (77°F (25°C))	600 to 1200 mPa·s	600 to 1200 mPa·s	ASTM D445
Colour (Max. Gardner)	2	2	ASTM D1544
Density (77°F (25°C))	1.15 g/cm ³	1.15 g/cm ³	ASTM D4052
Solids Content	79 to 81 %	79 to 81 %	ASTM E203

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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