

Technical Data Sheet

EPON™ Resin 1001-B-80

Product Description

EPON™ Resin 1001-B-80 is a 80 percent solids solution of an EPON 1001F type epoxy resin in methyl ethyl ketone. Systems based on EPON 1001-B-80 can be formulated to have excellent chemical resistance, corrosion resistance, and low color. This resin is used in formulating various room temperature curing industrial maintenance coatings including clears, primers, masonry surfacers, gloss- and semi-gloss enamels. The base resin is also available in other solvent lineups.

Sales Specifications

Property	Value	Unit	Test Method
Color	3 max	Gardner	ASTMD1544
Epoxide Equivalent Weight Based on Nonvolatiles	450 - 550	g/eq	ASTMD1652
Solids	79 - 81	% wt.	SRC 09Q16
Viscosity ¹ at 25°C	Z1 - Z6	Gardner	ASTMD1545

¹ ASTM D1545 (Gardner-Holdt - Bubble Time Method), determined on resin solution as supplied.

Typical Properties

Property	Value	Unit	Test Method
Density at 25°C, Solution	9.1	lb/gal	ASTMD1475
Solvent	Methyl Ethyl Ketone		

General Information

A wide variety of curing agents can be used with EPON 1001-B-80, including aliphatic amines, amine adducts, tertiary amines, polyamidoamines and polyamido-amine adducts. More complete information on the use of some of these curing agents can be found in the various product bulletins describing specific curing agents.

Typical of epoxy resins, EPON 1001-B-80 may be initially incompatible with many of the curing agents used. As the chemical reaction between the two proceeds, compatibility develops. Use of the system too soon after mixing can result in "blushing" or other film defects; to prevent this, an induction period is required.

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information.

Exposure to these materials should be minimized and avoided, if feasible, through the observance of proper precautions, use of appropriate engineering controls and proper personal protective clothing and equipment, and adherence to proper handling procedures. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheet (MSDS) for these and all other products being used are understood by all persons who will work with them. Questions and requests for information on Hexion, Inc. ("Hexion") products should be directed to your Hexion sales representative, or the nearest Hexion sales office. Information and MSDSs on non-Hexion products should be obtained from the respective manufacturer.

Packaging

Available in bulk and drum quantities.

EPON Resin 1001-B-80
<https://www.hexion.com/en-US/product/epon-resin-1001-b-80>

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Contact Information

For product prices, availability, or order placement, please contact customer service:

www.hexion.com/Contacts/

For literature and technical assistance, visit our website at www.hexion.com

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