

Technical Data Sheet

EPON™ Resin 8521-MX-60

Product Description

EPON Resin 8521-MX-60 is a 60 percent solids solution of an EPON Resin 1004F type epoxy resin in 50 percent xylene and 50 percent 2-butoxyethanol. This resin was designed primarily for use with a suitable curing agent to obtain complete film curing at normal room temperatures. EPON Resin 8521-MX-60 has been modified to improve its surface tension properties. Therefore, it does not normally require additives for prevention of crawling and cratering.

Sales Specifications

Property	Value	Unit	Test Method
Color	3 max.	Gardner	ASTM D1544
Solids	59 - 61	% wt.	SRC 09Q16
Viscosity at 25°C	Y - Z2	Gardner	ASTM D1545

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

Typical Properties

Property	Value	Unit	Test Method
Acid value	1		
Density at 25°C, Nonvolatiles, Calculated	10.0	lb/gal	
Density, Solution at 25°C	8.75	lb/gal	
Flash Point, Setflash	80	°F	
Solvent Ratio	50/50		
Solvent	2-butoxyethanol / Xylene		
Viscosity Reduced at 25°C	0	Gardner	ASTM D1545
Weight per Epoxide Based on Nonvolatiles	910		ASTM D1652

¹ Reduced to 50 percent nonvolatiles in 50 percent xylene and 50 percent 2-butoxyethanol.

EPON Resin 8521-MX-60
<https://www.hexion.com/en-US/product/epon-resin-8521-mx-60>

Generated: May 20, 2019
 Issue Date:
 Revision: 9/1/2001 12:00:00 AM

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Processing/How to use

General Information

A wide variety of curing agents can be used with EPON Resin 8521-MX-60. Those most commonly used are the aliphatic amines, amine adducts, the tertiary amines, and the polyamides.

The usual high levels of chemical resistance, corrosion resistance, flexibility and adhesion properties associated with the unmodified epoxies are provided by films of EPON Resin 8521-MX-60. It is suggested for use in the formulation of primers and enamels for industrial maintenance areas where corrosive fumes are a serious problem. This epoxy resin is also useful for large pieces of equipment for which a baking system is not practical.

Typical of many epoxy resins, EPON Resin 8521-MX-60 is initially incompatible with many of the curing agents used. As the chemical reaction 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. Not over 2.5 mils dry film should be applied per coat allowing approximately 40 hours between coats.

Safety, Storage & Handling

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

Please refer to the Hexion web site for Shelf Life and recommended Storage 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.

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