

Technical Data Sheet

EPON™ Resin 834-F-90

Product Description

EPON™ Resin 834-F-90 is a 90% weight solids solution of EPON Resin 834 epoxy resin in normal butyl alcohol (or n-butanol). Systems based on this resin solution can be formulated to have excellent chemical and corrosion resistance in a variety of applications

Application Areas/Suggested Uses

- High solids coatings
- Clear enamels
- Anti-corrosive primers
- Gloss and semi-gloss enamels
- Solvent-based civil engineering and structural applications

Benefits

- Easy-to-handle solution
- Intermediate molecular weight offers better impact resistance and flexibility than standard liquid epoxy resin, e.g., EPON Resin 828
- Can be blended with other epoxy resins or epoxy resin solutions

Sales Specifications

Property	Value	Unit	Test Method
Color	3 max.	Gardner	ASTMD1544
Solids	89 - 91	% wt.	SRC 09Q16
Weight per Epoxide	225 - 265	g/eq	ASTMD1652

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

Typical Properties

Property	Value	Unit	Test Method
Density, Solution at 25°C	9.3	lb/gal	ASTMD1475
Solvent	normal butyl alcohol		
Viscosity at 25°C	Z3 - Z6	Gardner	ASTMD1545

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.

Alcohols and glycol ethers have a tendency to react with epoxide groups under certain conditions. As such, the weight per epoxide (WPE) and solution viscosity of this product will increase with time. Use oldest lots first and maintain modest inventories.

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

EPON Resin 834-F-90
<https://www.hexion.com/en-US/product/epon-resin-834-f-90>

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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

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