

Technical Data Sheet

EPON™ Resin 834-X-90

Product Description

EPON™ Resin 834-X-90 is a 90% solids solution. Systems using EPON Resin 834-X-90 can be formulated to have excellent chemical and corrosion resistance. This resin can be used in formulating various room temperature curing industrial maintenance coatings including clears, primers, masonry surfacers, and gloss and semigloss enamels. It is especially useful in high solids and tar-type coatings.

Benefits

- Well-suited for blending with various tars
- Easy-to-handle solution
- Can be used to produce 10 to 15 mil thick films with excellent adhesion

Sales Specifications

Property	Value	Unit	Test Method
Color	3 max	Gardner	ASTMD1544
Solids	89 - 91	% wt.	SRC 09Q16
Viscosity at 25°C	Z4 – Z8	Gardner	ASTMD1545
Weight per Epoxide	230 - 280	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 at 25°C, Nonvolatiles, Calculated	9.85	lb/gal	
Density, Solution at 25°C	9.5	lb/gal	ASTMD1475
Flash Point, Setflash	84	°F	ASTMD3278
Solvent	Xylene		

Processing/How to use

General Information

A wide variety of curing agents can be used with EPON Resin 834-X-90, including aliphatic amines, amine adducts, tertiary amines, polyamidoamines and polyamido-amine adducts. EPON Resin 834-X-90 is amenable to high solids formulations due to low molecular weight and low viscosity and its characteristic film forming ability. It is especially useful in coal tar and extended resin systems.

Typical of many epoxy resins, EPON Resin 834-X-90 is 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.

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<https://hexioninternet-hexioninternet-slave.azurewebsites.net/en-US/product/epon-resin-834-x-90>

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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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