

Technical Data Sheet

EPI-REZ™ Resin 3515-W-60

Product Description

EPI-REZ™ Resin 3515-W-60 is a nonionic, aqueous dispersion of a bisphenol A epoxy resin with an equivalent weight of 220-260. Supplied at approximately 63% nonvolatile, EPI-REZ Resin 3515-W-60 has a moderate viscosity and is mechanically stable. No organic solvents are present. EPI-REZ Resin 3515-W-60 is completely water reducible, providing wide latitude for viscosity reduction.

Application Areas/Suggested Uses

- Industrial textile binders or fiber finishes
- Adhesives
- Fiberglass reinforced plastics
- Coatings
- Performance modifiers for other waterborne resins

Benefits

- High epoxy functionality
- High solids
- Completely water reducible
- Compatible with most latex resins and some waterborne phenolic resins
- Good water resistance
- Good chemical resistance

Sales Specifications

Property	Value	Unit	Test Method
Particle Size	0.5 - 1.3	microns	SRC - 1
pH	3 - 6		ASTME70
Solids	62 - 64	%	ASTMD1259
Viscosity	4000 - 15000	cP	ASTMD2196
Weight per Epoxide	225 - 275		ASTMD1652

Typical Properties

Property	Value	Unit
Pounds/Gallon	9.2	lbs/gal

General Information

EPI-REZ Resin 3515-W-60 offers a solvent-free approach to the formulation of film adhesives, fiberglass reinforced plastics, coatings and electrical dip coatings and varnishes. It can also be incorporated into formulations which are traditionally water-based and which require strength and good chemical or water resistance. Examples of such applications are industrial fiber finishes, binders or stiffeners.

EPI-REZ Resin 3515-W-60 can be cured with many of the same curing agents that are used with liquid or solution epoxy resins. Curing agents most conveniently employed are those which are water soluble or dispersible and which are stable in an aqueous medium. Examples of such curing agents include dicyandiamide, substituted imidazoles, aliphatic and aromatic amines and various EPI-CURE™ Curing Agents.

EPI-REZ Resin 3515-W-60

<https://www.hexion.com/en-US/product/epi-rez-resin-3515-w-60>

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Latex resins which benefit most from EPI-REZ Resin 3515-W-60 modification are those which contain sufficient amine or carboxyl functionality to react with the available epoxy groups.

When applied at room temperature, EPI-REZ Resin 3515-W-60 coalesces to form a clear, continuous, tacky film after evaporation of the water.

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.

For ease of handling and optimum shelf life, epoxy dispersions should be stored in tightly sealed containers at temperatures between 50 °F (10 °C) and 100 °F (37.8 °C). Do not allow the product to freeze. To prevent skinning or surface drying, do not leave the product uncovered for extended periods of time. If the need arises to store partially filled drums, replace the plastic top-sheet onto the surface of the liquid product.

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

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