

Technical Data Sheet

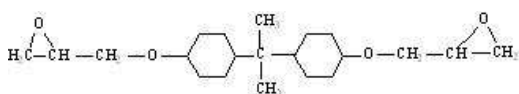
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EPONEX™ Resin 1510

Product Description

EPONEX™ Resins are unique low viscosity epoxy resins designed to have improved performance compared to conventional bisphenol-A (BPA) type resins, when formulated properly. EPONEX Resin 1510 is recommended as a building block resin for preparations of: 1) low viscosity/higher molecular weight epoxide resins (e.g. by reaction with bisphenol-A) and 2) low viscosity esters using conventional esterification reactants. It can also be used as a reactive viscosity reducer and a modifier for improved color in BPA-based epoxy resins. Figure 1 illustrates the typical structure of EPONEX Resins.

Figure 1 / Typical structure of EPONEX Resins



Application Areas/Suggested Uses

- Ambient cure and bake coatings
- Light color, high build decorative coatings
- Modifier for color and viscosity
- Building block for epoxide resins

Benefits

- Low viscosity
- Light color
- Improved yellowing and chalking resista
- Very good profile of mechanical properties

Sales Specification

Property	Units	Value	Test Method/Standard
Weight per Epoxide	g/eq	210 – 220	ASTM D-1652
Viscosity at 25°C	P	18 – 25	ASTM D-445
Color	Pt-Co	80 max.	ASTM D-1209

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Typical Properties

Property	Units	Value	Test Method/Standard
Density at 25°C	lb/gal	9.08	ASTM D-1475

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

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