

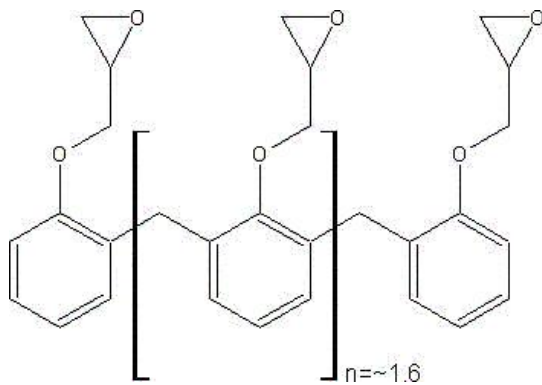
Technical Data Sheet

EPON™ Resin 154

Product Description

EPON™ Resin 154 is an epoxy resin manufactured from phenolic novolac resin and epichlorohydrin. The resultant polyfunctional epoxy novolac resin is available as a semi-solid. When cured with appropriate materials, highly cross-linked compositions exhibiting high chemical resistance, high temperature resistance and dimensional stability are obtained. EPON Resin 154 may be used as the sole epoxy resin or combined with other epoxy resins such as EPON Resin 828 (bisphenol A based) or EPON Resin 862 (bisphenol F based) to develop specific process and application properties.

Chemical Structure



Application Areas/Suggested Uses

- Chemical resistant tank linings, flooring and grouts
- Fiber reinforced pipes, tanks and composites
- Electrical laminates and encapsulation
- Tooling, casting and molding compounds
- Construction, electrical and aerospace adhesives

Benefits

- Reacts with full range of curing agents
- Produces high-strength cured systems with high resistance to chemical attack
- Produces cured systems with elevated temperature stability

Sales Specifications

EPON Resin 154

<https://www.hexion.com/en-US/product/epon-resin-154>

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Property	Value	Unit	Test Method
Color	2 max.	Gardner	ASTM D1544
Epoxide Equivalent Weight	176 - 181	g/eq	ASTM D1652
Viscosity	310 - 400	P	ASTM D2196

Typical Properties

Property	Value	Unit	Test Method
Density at 25°C	10.2	lb/gal	ASTM D1475

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.

Crystallized resin is evidenced by a product visual appearance that can range from a hazy liquid to a waxy semi-solid. Resin that has crystallized can be reconstituted by gentle warming of the entire container and its contents to approximately 120-140°F until all visual evidence of crystallization has gone away. Upon cooling to normal ambient temperature conditions the product will regain its original liquid state physical properties. This process can be repeated as necessary.

EPON Resin 154 is a stable semi-solid resin packaged in 55 gallon drums. EPON Resin 154 is not a hazardous material according to Department of Transportation regulations (Code of Federal Regulations, Title 49).

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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