

Technical Data Sheet

EPON™ Resin 869A

Product Description

EPON™ Resin 869A is a low viscosity epoxy resin produced from the reaction of Bisphenol F and epichlorohydrin. It does not contain any diluent or modifier. Like other Bisphenol F epoxy resins, it has improved chemical resistance and lower viscosity than standard Bisphenol A epoxy resins (e.g. EPON Resin 828). The lower resin viscosity provides good fiber or pigment wetting, and requires a lower level of reactive modifiers in formulations to achieve similar system viscosities and superior mechanical properties.

Application Areas/Suggested Uses

EPON Resin 869A can be used alone, as the sole epoxy resin, or mixed with other EPON epoxy resins; e.g., EPON Resin 828. In this latter case, it provides lower viscosity and improved crystallization resistance.

Typical uses include compositions for the building and civil engineering industries (e.g. flooring compounds, adhesives, mortars and grouts), filament-wound composites, electrical castings; as well as, solvent-free and high solids coatings formulations.

Benefits

- Lower resin viscosity without added diluent (compared to standard BPA-based epoxy resin)
- Good hardness development and mechanical properties, especially when compared to diluent-modified resin blends
- Improved resistance against crystallization, especially when combined with EPON Resin 828
- Good chemical resistance
- Good pigment wetting

Sales Specifications

Property	Value	Unit	Test Method
Viscosity @25°C	5.0 - 7.0	Pa.s	ASTMD445
Color	200 max.	Pt-Co	ASTMD1209
Weight per Epoxide	166 - 174	g/eq	SMS 2026

Typical Properties

Property	Value	Unit	Test Method
Density @25°C	9.8	lb/gal	ASTMD1475

Safety, Storage & Handling

Please refer to the SDS for the most current Safety and Handling information.

Please refer to the Hexion Inc. 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 Safety Data Sheet (SDS) 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 Inc") products should be directed to your Hexion sales representative, or the nearest Hexion sales office. Information and SDSs 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, visit the "Contact Us" section of our website. For literature and technical assistance, visit our website at: www.Hexion.com