Epovion®

Product Name : Epovion® BPA-L 12

CAS number : 25068-38-6

Chemical Type : Diglycidyl ether of Bisphenol-A

Business Unit : Epoxy Resin

1. Product Description

Epovion® BPA-L 12 is a liquid bisphenol-A based epoxy resin manufactured from bisphenol-A and epichlorohydrin. It is designed as a general-purpose epoxy resin offering balanced mechanical performance, chemical resistance, and thermal stability when cured with appropriate hardeners

2. Typical Applications

Epovion® BPA-L 12 is typically used in laminates, filament winding, encapsulation, tooling, coatings, and adhesive formulations. Actual suitability and performance depend on curing agent selection, formulation design, and processing conditions applied by the user, and should be validated under actual production conditions prior to commercial use.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical state	–	Liquid	Visual
Epoxy equivalent weight	g/eq	~184–190	Internal Method
Color (Gardner)	–	≤1.0	ASTM D1544
Viscosity (25 °C)	mPa·s	~12,000–15,000	ASTM D2196
Density (25 °C)	g/cm³	~1.16	ASTM D4052
Flash point	°C	≥150	Closed cup
Hydrolyzable chlorine	ppm	≤1000	Internal Method

Note: Typical values are indicative only and do not constitute a specification.

© 2026 Innovexar. All rights reserved.

4. Recommended Use

Epovion® BPA-L 12 can be cured with a wide range of amine, anhydride, or other suitable epoxy hardeners depending on the intended application. Formulation ratios, curing schedules, and processing conditions should be determined and validated by the user through appropriate testing prior to production use.

5. Packaging & Logistics

Epovion® BPA-L 12 is supplied in standard industrial packaging formats, subject to confirmation at the quotation stage. Minimum order quantities depend on packaging configuration and destination requirements. The product is offered under standard Incoterms such as FOB, CFR, or CIF, as specified in the quotation. Indicative lead times are provided at quotation and confirmed upon order acceptance.

6. Handling & Storage

Epovion® BPA-L 12 should be stored in its original, tightly closed containers at ambient temperature. Under proper storage conditions, the product maintains stability for extended periods. If crystallization or haziness occurs during storage, the resin can be restored to its original condition by gentle warming (approximately 50–60 °C) with stirring. Refer to the SDS for detailed safety and handling instructions.

© 2026 Innovexar. All rights reserved.