Epovion®

Product Name : Epovion® BPA-L 17

CAS number : 1675-54-3(or 25085-99-8)

Chemical Type : Diglycidyl ether of Bisphenol-A

Business Unit : Epoxy Resin

1. Product Description

Epovion® BPA-L 17 is an undiluted liquid bisphenol-A based epoxy resin manufactured from bisphenol-A and epichlorohydrin.

It features lower viscosity compared with standard liquid BPA epoxy grades while providing comparable cured properties when used with suitable curing agents. The resin is designed for applications requiring improved processability together with balanced mechanical strength, chemical resistance, and heat resistance after cure.

2. Typical Applications

Epovion® BPA-L 17 is typically used in:

- Laminates
- Filament winding
- Encapsulation
- Civil engineering applications
- Tooling
- Adhesive formulations

Actual suitability and performance depend on curing agent selection, formulation design, and processing conditions applied by the user.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical state	–	Liquid	Visual

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Property	Unit	Typical Value	Test Method
Epoxy equivalent weight	g/eq	~176–184	Internal Method
Viscosity (25 °C)	mPa·s	~8,000–11,000	ASTM D2196
Color (Gardner)	–	0.0–1.0	ASTM D1544
Density (25 °C)	g/cm³	~1.16	ASTM D4052
Hydrolyzable chlorine	ppm	≤1000	Internal Method

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

4. Recommended Use

Epovion® BPA-L 17 can be cured with polyamine, polyamide, anhydride, or other suitable epoxy curing agents 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 17 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 17 should be stored in its original, tightly closed containers at ambient temperature. Under sealed storage conditions, the resin shows good resistance to crystallization. If haziness or crystallization occurs, the resin can be restored to its original condition by gentle warming to approximately 50–60 °C with stirring. Refer to the SDS for detailed handling and safety instructions.

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