Epovion®

Product Name : Epovion® BPF-L 17

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

Chemical Type : Bisphenol-F Epoxy Resin (DGEBF)

Business Unit : Epoxy Resin

1. Product Description

Epovion® BPF-L 17 is a liquid bisphenol-F based epoxy resin manufactured from bisphenol-F and epichlorohydrin.

Compared with bisphenol-A epoxy resins, it offers lower viscosity and higher flow characteristics, making it suitable for 100% solids (non-solvent) formulations. When cured with appropriate hardeners, the resin provides good flexibility and adhesive strength.

2. Typical Applications

Epovion® BPF-L 17 is typically used in:

- Civil engineering applications
- Adhesives
- Solvent-free coatings
- Electrical insulation materials

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
Epoxy equivalent weight	g/eq	~160–180	Internal Method
Color (Gardner)	–	≤3.0	ASTM D1544

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Property	Unit	Typical Value	Test Method
Viscosity (25 °C)	mPa·s	~2,000–5,000	ASTM D2196
Density (25 °C)	g/cm³	~1.16	ASTM D4052
Flash point	°C	≥150	Closed cup

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

4. Recommended Use

Epovion® BPF-L 17 can be cured with a wide range of epoxy curing agents, including amine, polyamide, and other suitable 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® BPF-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® BPF-L 17 should be stored in its original, tightly closed containers at ambient temperature. When stored under recommended conditions, the product maintains stability for extended periods. Refer to the SDS for detailed handling and safety instructions.

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