Epovion®

Product Name : Epovion® SOL-S 90

CAS number : 25036-25-3

Chemical Type : Bisphenol-A Epoxy Resin (solid grade)

Business Unit : Epoxy Resin

1. Product Description

Epovion® SOL-S 90 is a low molecular weight solid bisphenol-A based epoxy resin manufactured from liquid DGEBA and bisphenol-A.

The resin is designed to provide high crosslink density, strong adhesion, and good water resistance after cure. It is commonly supplied as a solid base resin and can be converted into solution grades using suitable solvents for coating applications.

2. Typical Applications

Epovion® SOL-S 90 is typically used in:

- Anticorrosive coatings (as solid base resin or solution grade)
- Laminates

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

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical state	–	Solid	Visual
Epoxy equivalent weight	g/eq	~450–500	Internal Method
Color (Gardner)	–	≤1.0	ASTM D1544
Softening point	°C	~64–74	Internal Method
Flash point	°C	≥200	Closed cup

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Property	Unit	Typical Value	Test Method
Solution viscosity	–	D–F	Internal Method
Density (25 °C)	g/cm³	~1.18	ASTM D4052

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

4. Recommended Use

Epovion® SOL-S 90 is suitable for formulation into solution epoxy systems for coatings when dissolved in appropriate solvents.

It can be cured with commonly used polyamide or polyamine hardeners depending on the target coating performance. Formulation ratios, curing schedules, and application conditions should be determined and validated by the user through appropriate testing.

5. Packaging & Logistics

Epovion® SOL-S 90 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® SOL-S 90 should be stored in its original, tightly closed containers at ambient temperature. When stored under recommended conditions, the product maintains stability for at least 12 months. Refer to the SDS for detailed handling and safety instructions.

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