Bisphenol F Diglycidyl Ether Epoxy Resin (DGEBF, BPF Epoxy)

Bisphenol F Diglycidyl Ether Epoxy Resin (DGEBF, BPF Epoxy) · RS-DGEBF · CAS 9003-36-5 · Technical Data Sheet · RawSource · rawsource.com/product/bisphenol-f-diglycidyl-ether-dgebf-epoxy-resin/

CAS NO.	ALSO LISTED AS	PRODUCT CODE	PRODUCT TYPE
9003-36-5	CAS 28064-14-4	RS-DGEBF	Bisphenol F epoxy resin · liquid resin

Bisphenol F liquid epoxy resin is an unmodified resin supplied as a yellowish transparent liquid with low viscosity and high leveling properties. Its viscosity is less than 1/3 of that of bisphenol A epoxy resin, and it has good impregnation of fibers. It can be mixed with ordinary bisphenol epoxy resin in any proportion and can improve flexibility and adhesion. The properties of its cured product are almost the same as those of bisphenol A-type epoxy resin, with slightly lower heat resistance and slightly better corrosion resistance.

DISTRIBUTED BY
RawSource Inc.
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Product page: rawsource.com/product/bisphenol-f-diglycidyl-ether-dgebf-epoxy-resin/
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Quote by RS code: RS-DGEBF

GENERAL INFORMATION

Chemical name	Bisphenol F liquid epoxy resin

TYPICAL PROPERTIES

Odor	Mild

Typical values are representative of the product and are not specifications.

Can be mixed with ordinary bisphenol epoxy resin in any proportion.

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Epoxy Equivalent Weight, g/eq	160 – 180	168.1
Appearance	Yellowish Transparent Liquid	Conform
Color, Gardner	1 max	0.2
Rotary Viscosity at 25 °C, cP	3,000 – 5,000	3,500
Inorganic Chlorine, ppm	5 max	1.3
Hydrolyzable Chlorine, %	0.03 max	0.0129
Volatile, %	0.30 max	0.20

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

KEY FEATURES

- Low viscosity
- High leveling properties
- Good impregnation of fibers
- Can improve flexibility and adhesion

APPLICATIONS

- Civil construction
- Electrical insulation materials
- Wind turbine blade prepreg
- Electronic potting material
- Vinyl resin
- Solvent-free coating
- Carbon fiber composite material
- Ink

Applications are those stated for the product. Confirm suitability for each formulation by trials.

HANDLING REQUIREMENTS

- Store under cover at ambient temperature, away from excessive heat and humidity.

PACKAGING AND SHELF LIFE

- 220 kg drums
- Shelf life: 12 months from production date.

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.