EPOCURE GY 6010

Epoxy Resin

Description

EPOCURE GY 6010 is a general-purpose and medium viscosity unmodified epoxy resin based on Bisphenol A. High reactivity of this product allows good hardening, and its low hydrolysable chlorine content causes slight tendency to crystallization at low temperatures.

EPOCURE GY 6010 is highly compatible with various hardeners, reactive diluents, and accelerators. This product is widely used with curing agents such as 2-pack Amine, Polyamide and Polyamine hardeners. Under suitable curing conditions it provides coatings with superior mechanical and electrical properties and excellent chemical and water resistance.

Features

- Conforms to FDA listing
- High reactivity
- Medium viscosity
- Enhanced mechanical properties
- High compatibility with various hardeners

Application

- High chemical resistance coatings
- Civil engineering
- Matrix adhesive
- Electrical insulation
- Filament winding for manufacturing large dimeter pipes

Typical Properties

Property	Test Method	Typical Values
Appearance	Visual	Clear, no contamination
Color, APHA	ASTM D1209	100 Max.
Viscosity at 25 °C, mPa.s	ISO 12058	11,000 – 14,000
Weight per epoxide, g/Eq	ASTM D1652	182 - 192
Density at 25 °C, g/cm^3	ISO 1675	1.16
Epoxy value, Eq/Kg	ASTM D1652	5.20 – 5.49
Flash Point, °C	ISO 2719	200 Min.
Hydrolysable Chlorine, ppm	Internal	500 Max.
Water content, %	ASTM D4017	0.08 Max.
Residual Epichlorohydrin, ppm	Internal	5 Max.

Packaging and Handling

- Packed in 240 kg steel drums on pallet.
- Store in a dry, clean, and well-ventilated storage area. Refer to Barrel Storage Guide for more details.
- Shelf Life of 72 months from the date of manufacture at ambient temperature.
- Before handling this product, please first read the related Safety Data Sheet (SDS) for details of the health and safety precautions.

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