



TG-LH-FBPE-80U

Flame Retardant Potting Epoxy

Version 2.130218

Flame Retardant Potting Epoxy

TG-LH-FBPE-80U is a low viscosity, flame retardant and two-part flexible black potting compound based on epoxy resins. When fully cured the surface is glossy, blush free and hard. It has very good scratch and water resistance. This system has enhanced adhesion and wets glass, ceramics, most plastics and metals well. The mixed epoxy has low viscosity to ensure good flow, good seepage into every corner and minimal trapping of bubbles.

Features

UL V0

Applications

Potting epoxy for electrical and electronic devices

Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

TG-LH-FBPE-80U					
Property	Part A Resin	Part B Hardener	Mixed	Units	Test Method
Chemical type	Epoxy	Amine	-	-	-
Appearance	Black Liquid	Clear yellowish liquid	-	-	Visual
Thermal Conductivity	-	-	1.8	W/mK	ISO/DIS 22007
Mix ratio, by weight	2.0	1.0	-	-	-
Shelf life, 25°C	12	12	-	Month	ASTM F2914
Pot life, 25°C	-	-	6	Hour	ASTM F2914
Flame rating	-	-	V-0	-	UL94 V0
Viscosity, CAP2000+ viscometer, 25°C	22,200	140	3,200	cP	ASTM D1084
Hardness, cured 25°C for 7 days	-	-	80	Shore D	ASTM D2240

Standard Packaging

Size	Pot		Weight (gr)	
	Plastic Bottle		1 kg	
	Plastic Bottle		5 kg	

* All measurements in weights are in gr

Storage

Tightly close original container of unused product. Store in a cool and dark place.

* Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

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