



FH8731 Data Sheet

Electronics Material

Epoxy Potting Material

Product Description

FH8731 is one part epoxy potting material. It's mainly for encapsulation of electronics parts. It features for one part and easy to use, it has good stability and fast curing in medium temperature.

Typical application

Encapsulation and protection of electronics parts.

Recommend curing profile

150°C 20 min.

It depends on the heating efficiency and the thickness of PCB and size of die. We suggest to adjust curing temperature and curing time according to heating device and adherent.

Features of Product

- 1K and no need mixing
- Fast curing
- Good storage stability
- High flow ability and good reliability

Typical Uncured Properties	
Properties	Value
Appearance	Black liquid
Chemicals	Epoxy
Viscosity(mPa.s @ 25°C) Brookfield 7# 10rpm	36,400
Gravity (g/cm ³)	1.1
Pot life (month@25°C)	3

Typical Cured Properties (150°C 30min)	
Physical Properties	Typical Value
Hardness (Shore D)	87
Glass Transition Temperature (°C) by TMA	129
CTE	
alpha 1 (ppm/°C)	58
alpha 2 (ppm/°C)	185
Water absorption(%24h@25°C)	0.06
Electrical Properties	Typical Value
Dielectric Constant/Dielectric Loss	
1KHz	3.3/0.018
100KHz	3.3/0.02
Volume Resistivity(Ω.cm)	4.1×10 ¹⁶
Surface Resitivity(Ω)	1.3×10 ¹⁶
Dielectric StrengthKv/mm)	16.2

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Directions for use

1. Do not open the package before complete the thawing.
2. Thawing to room temperature (25°C) before using.
3. Seal any remaining material and store immediately at 2-8°C.
4. Preheating temp. to 30-45C

Contact HB Fuller technical support for additional material handling recommendations.

Storage & Shelf Life

FH8731 is supplied in 500ml/barrels
It should be stored in 2-8°C refrigerator.
Shelf life is 12 months from date of manufacture.

Health & Safety Precautions

Please refer to the Material Safety Data Sheet (MSDS) for proper handling and disposal instructions.

Note

The values noted in this data sheet are typical properties only and are not intended to be used as material specifications.

For assistance in writing a material specification please contact HB Fuller for future details.

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