



### FH8800 Data Sheet

## Electronic Materials Potting Material

### Material Description

FH8800 is a single component heat curable epoxy adhesive. It will be cured at 100 °C rapidly, and keep an excellent adhesion with many materials.

### Application

LED Die attach

### Curing Profile

Recommended cure conditions:  
10 minutes @ 120°C  
30 minutes @ 100°C

Curing speed will vary depending on oven temperatures profile efficiency.

Contact HB Fuller technical support for additional curing recommendations.

Typical Uncured Properties	
Property	Value
Color	transparent
Specific Gravity	1.05
Viscosity (Brookfield CP52 100 rpm @25°C, cps)	3175
Working Pot Life (days)	7

Physical Properties of Cured Material(Cured at 100°C for 30minutes)		
Property	Test Method	Value
Hardness, Shore D	ASTM D-2240	82
Elongation at break %	ASTM D-0412	1.8
Transition temperature (Tg), °C		142
Coefficient of thermal expansion, m/m·°C	ASTM E-831	α 1 = 85 α 2 = 171
Water Absorption (% 24 hours @25°C)		0.12

Typical Electrical Properties (Cured)		
Property	Test Method	Value
Dielectric Strength, kV/mm	ASTM D-149	16.3
Surface Resistivity, ohm	ASTM D-257	2.0 x 10 <sup>16</sup>
Volume Resistivity, ohm·cm	ASTM D-257	5.6 x 10 <sup>16</sup>

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### Preparation for Material Usage

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. We do not recommend thawing material more than three times.

Contact HB Fuller technical support for additional material handling recommendations.

### Storage & Shelf Life

FH8800 is supplied in 30ml/syringes  
It should be stored in a 2-8°C refrigerator.  
Shelf life is 6 months from date of manufacture.

### Clean-Up

Equipment, brushes, and spillage can be cleaned promptly after use with a mixture of anhydrous isopropyl alcohol and acetone that should be discarded after each use.

### Health & Safety Precautions

Please see 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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