



### 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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