



FH8708T Data Sheet

Electronic Materials Corner Bond Material

Material Description

FH8708T is a single component heat curable repairable epoxy CSP/BGA reinforcement. It's designed for low CTE and high Tg. This material is designed to improve the reliability of CSP and BGA assembly.

Features & Benefits

- Low CTE
- High Tg.
- Fast cure at moderate temperature minimizing stress on components.
- Repairable without damage to the attach pad

Curing Profile

Recommended cure conditions:
5 minutes @ 150°C
10 minutes @ 130°C
30 minutes @ 100°C

Typical Uncured Properties	
Property	Value
Colour	Black
Component	Epoxy
Viscosity (Brookfield CP52 10 rpm @25°C, cps)	41,280
Ti	4.22
Specific gravity (cm ³)	1.58
Working Pot Life (days)	3

Physical Properties of Cured Material(Cured at 100°C for 30minutes)		
Property	Test Method	Value
Hardness, Shore D	ASTM D-2240	80
Elongation at break %	ASTM D-0412	3.1
Transition temperature (Tg), °C		163
Coefficient of thermal expansion, m/m·°C	ASTM E-831	α 1 = 24 α 2 = 117
Water Absorption (% 24 hours @25°C)		0.21

Typical Electrical Properties (Cured)		
Property	Test Method	Value
Dielectric Strength, kV/mm	ASTM D-149	16.3
Surface Resistivity, ohm	ASTM D-257	1.2 x 10 ¹⁶
Volume Resistivity, ohm-cm	ASTM D-257	4.1 x 10 ¹⁶

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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. Could be repairable at 240 °C
4. Seal any remaining material and store immediately at 2-8°C, we do not recommend thawing material more than three times.

Contact HB Fuller technical support for additional material handling recommendations.

Storage & Shelf Life

FH8708T 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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