



# FH8805

## Die Attach Adhesive

### Material Description

FH8805 is a single component adhesive that cures by heat. It has fast curing at low temperatures with outstanding bond strength.

This material is recommended for use with chip bonding in microelectronic, MEMS and opto-electronic applications. This material is able to snap cure during in-line production.

### Features & Benefits

- One component requires no mixing
- Fast curing
- High bond strength on a variety of substrates
- Suitable for fine pattern dispensing
- Excellent thermal performance
- Low outgassing
- High thermal stability
- Low Stress
- Design for high speed dispensing

### Recommended Cure

110°C for 90 seconds

Please contact H.B. Fuller for additional cure profiles

### Packaging Sizes

5cc, 10cc, and 30cc syringes

### Health & Safety Precautions

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

### Typical Uncured Properties

Property	Value
Color	Red
Chemistry	Acrylate
Consistency	Thixotropic Paste
Viscosity (mPa.s @ 25 °C)	16,500
Thixotropic Index (TI)	5.3
Pot Life @ 25°C	24hrs

### Typical Performance Properties

Property	Method/Condition	Value
Glass Transition Tg, °C	TMA	53
Alpha 1, ppm/ °C		67
Alpha 2, ppm/ °C		172
Storage Modulus, GPa (25C)	DMA	2.7
Die Shear Strength, kgf (2x2mm silicon die, solder mask FR4)	Room Temp.	30
	3X Pb Free Reflow	58
Elastic Modulus, MPa	25°C, 50% RH	340
Tensile Strength, MPa	25°C, 50% RH	23
Elongation, %	25°C, 50% RH	8.5

### Storage & Shelf Life

FH8805 should be sealed and stored in the original container at -40 °C.

Shelf life of material is 1 year from date of manufacture.

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North America  
+888-HBFULLER  
+888-423-8553

inquiry@hbfuller.com  
www.hbfuller.com