



## **Engineering Adhesives**

## **TECHNICAL DATA SHEET**

## FH8710 Data Sheet

# **Electronic Materials**

# Halogen free structural bonding adhesive

## **Material Description**

FH8710 is one component epoxy adhesive which has excellent toughness and bonding strength. It's Halogen free, It has good mechanical properties and good reliability properties. It has very high bonding strength to multiple material especially to inorganic materials.

## **Application**

It's designed for bonding different electrical parts .It has good rheology property to achieve good dispensing performance

## **Curing Profile**

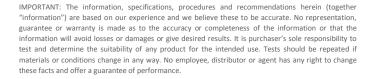
Recommended curing profile: 8min @ 130°C

Typical Uncured Properties		
Property	Value	
Colour before curing	Black	
Chemical type	Ероху	
Viscosity(cps@25°C)	16,270	
Cp52, 10rpm		
Ti	3.8	
Gravity	1.5	
Pot Life,25C	24 h	

Physical Properties of Cured Material Curing at 130°C for 30min		
Property	Test Method	Value
Glass Transition Temperature (Tg), °C	TMA	117
Coefficient of thermal expansion, m/m·°C	ASTM E-831	α 1 = 39 α 2 =158
Lap Shear strength Mpa Al/Al	ASTM D-1002	20
Steel/Steel	ASTM D-1002	27

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### **Preparation for Material Usage**

- Do not open the package before complete the thawing.
- Thawing to room temperature (25°C) before using.
- Seal any remaining material and store immediately at -20℃.
- We do not recommend thawing material more than three times.

Contact HB Fuller technical support for additional material handling recommendations.

## Storage & Shelf Life

FH8710 is supplied in 30ml/syringes It should be stored in -20°C refrigerator. Shelf life is 6 months from date of manufacture.

### **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.

Date Modified: 04/09/2017

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