



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	Epoxy
Viscosity(cps@25°C) Cp52, 10rpm	16,270
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

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 -20°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

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.

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