



FH8633 Datasheet

Electronic Materials

Thermal Curable Adhesive

Material Description

FH8633 is one-component, thermal curable adhesive. This material features fast curing at low temperature, low shrinkage, high adhesive strength, and adhesion to a variety of substrates.

Features and Benefits

- One component; no mixing required
- Low cure temperature
- Very fast curing
- High bond strength on a variety of substrates
- Excellent thermal performance

Curing Profile

Recommended cure:

- Cure @ 80°C for 5 min

Contact HB Fuller technical support for additional curing recommendations

Typical Uncured Properties

Property	Value
Appearance	Black paste
Component	Epoxy
Viscosity (25°C, CP52, 10rpm), cps	16,530
Ti (1.0/10.0rpm)	5.1

Typical Cured Properties

Property	Value
Glass transition, Tg (°C)	31
Coefficient of thermal expansion (ppm/°C)	$\alpha 1 = 61$ $\alpha 2 = 196$
OLSS, FR4/FR4, MPa	19.4
Tensile strength, MPa	16.6
Hardness, Shore D	75

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Application Instructions

1. Coating surface area should be clean and free of any fluxes, residues, dust or any other contaminants.
2. Bring material to room temperature (25°C) before using (typical thaw time for 10ml syringes is 2-4 hours). We do not recommend thawing the material more than 3 times.
3. If the material is left idle in the syringe tip for an extended period of time, the tip should be purged or solvent cleaned.
4. Seal any remaining material and store immediately at -18°C.

Storage Conditions

Product should be stored at temperature -20°C in the unopened container in a dry location.

Shelf Life: 6 months

Typical Packaging

Please contact your local Sales Office for available packaging options.

Disposal Advice

Please refer to the MSDS for disposal instructions.

Safety Advice

Please refer to the MSDS for safety advice.

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