

# Epolite FH-5313

Epoxy; Epoxide  
Andover Corporation

Message:

Epolite FH-5313 is a 100% solid, room temperature curing, electrical grade, epoxy adhesive that has proven to be an excellent bonding agent for ferrite pot cures. This system is designed for continuous operation at temperatures up to 200°F and is available in premeasured kits.

USES

Ideal for bonding a variety of substrates such as metal, glass and plastic.

Potting and encapsulation

Excellent chemical resistance, mechanical strengths and electrical properties.

Meets General Electric (GE) Specification number M-2820-CR

General Information			
Features	Good Chemical Resistance		
	Good Electrical Properties		
	High Strength		
Uses	Adhesives		
	Bonding		
	Electrical/Electronic Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	54.7	MPa	ASTM D638
Flexural Strength	95.6	MPa	ASTM D790
Compressive Strength	106	MPa	ASTM D695
Shear Strength	5.39	MPa	ASTM D732
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	9.4E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.4E+14	ohms · cm	ASTM D257
Dielectric Strength	84	kV/mm	ASTM D149
Dielectric Constant (100 Hz)	4.06		ASTM D150
Dissipation Factor (100 Hz)	1.0E-3		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 15		
Resin	Mix Ratio by Weight: 100		

Pot Life (25°C)	30	min	
Thermoset Mix Viscosity	1970	cP	ASTM D2393
Demold Time			
25°C	720	min	
66°C	60	min	

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