

Devcon FasMetal™ 10 HVAC Repair

Epoxy; Epoxide

Devcon

Message:

An aluminum-filled, 1:1 mix epoxy packaged in 6 1/2 oz. tube kit for repairs to copper coils in HVAC equipment.

Intended Use:

Seal leaks in pipes and tanks; repair copper coils in compressors; repair holes in aluminum and other metals

Product Features:

Fills voids or pores in castings

Bonds, patches, and seals metals

Good stability in Freon Environment

Bonds to aluminum, concrete, and many other metals

Aids in quickly returning equipment back to service

Hardens to a rigid material that can be ground, drilled, or tapped

General Information			
Filler / Reinforcement	Aluminum filler		
Features	Rigidity, high		
	Adhesiveness		
Uses	Repair Materials		
	Bonding		
Appearance	Aluminum white		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.72	g/cm ³	
Specific Volume	0.582	cm ³ /g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	121	°C	
Wet	43	°C	
Tensile Shear Adhesion	17.2	MPa	ASTM D1002
Molding Shrinkage - Flow	0.080	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5380	MPa	ASTM D638
Flexural Strength	43.2	MPa	ASTM D790
Compressive Strength	58.1	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	5.2E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.72	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method

Dielectric Strength	3.9	kV/mm	ASTM D149
Dielectric Constant	21.4		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mixing ratio by weight: 0.90		
Component a	Mixing ratio by capacity: 1.0		
	Mixing ratio by weight: 1.0		
Component B	Mixing ratio by capacity: 1.0		
Pot Life (24°C)	60	min	
Thermoset Mix Viscosity	40000	cP	
Additional Information	Nominal Value	Unit	Test Method
Cured 7 days @ 75°F			
Uncured Properties	Nominal Value	Unit	Test Method
Curing Time	16	hr	

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