Devcon Aluminum Putty (F)

Epoxy; Epoxide

Devcon

Message:

Aluminum-filled epoxy putty for dependable nonrusting repairs to aluminum castings, machinery, and equipment widely used in HVAC applications Intended Use:

Patch aluminum castings; make jigs, dies, and holding fixtures

Product features:

Can be machined, drilled, or tapped using conventional metalworking tools

Bonds to aluminum, concrete, and many other metals

Fills voids or pores in castings

General Information			
Filler / Reinforcement	Aluminum filler		
Features	Machinable		
	Adhesiveness		
Uses	Metal repair materials		
	Mold/Mold/Tool		
Agency Ratings	MIL PRF-24176C		
Appearance	Aluminum white		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm³	
Specific Volume	0.632	cm³/g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	121	°C	
Wet	49	°C	
Tensile Shear Adhesion	17.9	МРа	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	5520	МРа	ASTM D638
Flexural Strength	46.6	МРа	ASTM D790
Compressive Strength	58.1	МРа	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: 9.0		
Component a	Mixing ratio by capacity: 4.	0	
	Mixing ratio by weight: 1.0		
Component B	Mixing ratio by capacity: 1.0		
Pot Life (24°C)	60	min	
Additional Information	Nominal Value	Unit	Test Method
Cured 7 days @ 75°F			
Uncured Properties	Nominal Value	Unit	Test Method
Curing Time	16	hr	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533 Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

