

Devcon Ceramic Repair Putty

Epoxy; Epoxide

Devcon

Message:

A high performance, trowelable, ceramic-filled epoxy for rebuilding worn or damaged equipment.

Intended Use:
Rebuild worn pump casings and suction plates; repair tube sheets, heat exchangers and other circulating water equipment; restore worn chutes and hoppers; repair and rebuild butterfly and gate valves.

Product features:
Excellent chemical resistance
Corrosion-, cavitation-, erosion-resistant
Non-sagging putty, creamy paste

General Information			
Filler / Reinforcement	Ceramic fiber filler		
Features	Good corrosion resistance		
	Good chemical resistance		
Uses	Repair Materials		
Agency Ratings	MIL PRF-24176C		
Appearance	Blue		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.69	g/cm ³	
Specific Volume	0.592	cm ³ /g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	177	°C	
Wet	66	°C	
Tensile Shear Adhesion	13.8	MPa	ASTM D1002
Molding Shrinkage - Flow	0.22	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6210	MPa	ASTM D638
Flexural Strength	44.6	MPa	ASTM D790
Compressive Strength	87.6	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	3.1E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.79	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	15	kV/mm	ASTM D149
Dielectric Constant	41.0		ASTM D150

Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mixing ratio by weight: 7.0		
Component a	Mixing ratio by capacity: 4.3		
	Mixing ratio by weight: 1.0		
Component B	Mixing ratio by capacity: 1.0		
Pot Life (24°C)	25	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

