Devcon Carbide Putty

Epoxy; Epoxide

Devcon

Message:

Silicon carbide-filled epoxy putty for economical protection against wear and abrasion
Intended Use:
Applications involving particulate less than 1/16": pipe elbows, pulverizers and slurry lines, cyclones and exhauster fans, chutes
Product features:
Non-sagging
Extremely wear resistant
Room temperature cure

General Information			
Filler / Reinforcement	Silicon carbide		
Features	Good wear resistance		
Appearance	Grey		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.75	g/cm³	
Specific Volume	0.574	cm³/g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	121	°C	
Wet	49	°C	
Tensile Shear Adhesion	9.31	MPa	ASTM D1002
Molding Shrinkage - Flow	0.090	%	ASTM D2566
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	85		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	18.2	MPa	ASTM D638
Flexural Strength	37.8	MPa	ASTM D790
Compressive Strength	56.3	MPa	ASTM D695
Thermal	**Nominal Value**	**Unit**	**Test Method**
CLTE - Flow	2.5E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**		**Test Method**
Dielectric Constant	25.0		ASTM D150
Thermoset	**Nominal Value**	**Unit**	**Test Method**
Thermoset Components			
	Mixing ratio by weight: 8.0		
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)	50	min	
Additional Information	Nominal Value	Unit	Test Method
Cured 7 days @ 75°F			
Uncured Properties	Nominal Value	Unit	Test Method
Curing Time	16	hr	

Recommended distributors for this material

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