

Devcon Combo Wear FC

Epoxy; Epoxide

Devcon

Message:

High-tech, epoxy compound for quickly repairing processing equipment and returning to service in as little as 1.5 hours

Intended Use:

Repair large cracks in large coal fuel lines; protect pipe elbows, exhauster fans and housings; repair chippers, bins, and hoppers

Product features:

Bonds to wet surfaces

Excellent adhesion to metal, ceramic, and concrete

Reinforced with two bead sizes and silicon carbide

General Information			
Filler / Reinforcement	Silicon carbide		
Features	Good adhesion		
Uses	Repair Materials		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.20	g/cm ³	
Specific Volume	0.448	cm ³ /g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	149	°C	
Wet	60	°C	
Tensile Shear Adhesion	10.0	MPa	ASTM D1002
Molding Shrinkage - Flow	0.080	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	29.6	MPa	ASTM D638
Flexural Strength	49.2	MPa	ASTM D790
Compressive Strength	75.8	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	6.1E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value		Test Method
Dielectric Constant	41.0		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Mixing ratio by weight: 2.0			
Component a	Mixing ratio by capacity: 2.0		

Mixing ratio by weight: 1.0

Component B

Mixing ratio by capacity: 1.0

Pot Life (24°C)	7.0	min
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Additional Information	Nominal Value	Unit	Test Method
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Cured 7 days @ 75°F

Uncured Properties	Nominal Value	Unit	Test Method
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Curing Time	8.0	hr
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