

Devcon DFense Blok™ Fast Cure (FC)

Epoxy; Epoxide

Devcon

Message:

Alumina ceramic bead-filled epoxy system with outstanding wear and abrasion resistance for severe service conditions. Fast cure allows for repaired processing equipment to be returned to service in as little as 2 hours.

Intended Use:

Repair scrubbers, ash handling systems, pipe elbows, screens, chutes, chippers, bins, hoppers, bunkers, separators and digester tables. Protect exhausters, launderers, housing fans, crushers, breakers, and conveyor screws.

Product Features:

Fast cure for minimal downtime

Superior wear and abrasion resistance

Able to withstand impact

Resistant to a wide range of chemicals

Non-sagging

General Information			
Filler / Reinforcement	Ceramic bead packing		
Features	Impact resistance, good		
	Fast curing		
	Good wear resistance		
	Good chemical resistance		
	Good wear resistance		
Uses	Repair Materials		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.00	g/cm ³	
Specific Volume	0.499	cm ³ /g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	149	°C	
Wet	60	°C	
Tensile Shear Adhesion	19.1	MPa	ASTM D1002
Molding Shrinkage - Flow	0.080	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength	51.6	MPa	ASTM D790
Compressive Strength	49.5	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	5.9E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value		Test Method

Dielectric Constant	45.0		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)	15	min	
Additional Information	Nominal Value	Unit	Test Method
Cured 7 days @ 75°F			
Uncured Properties	Nominal Value	Unit	Test Method
Curing Time	10	hr	

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