

ITW Devcon Flexane® Rubber Repair / Castable Urethane High Performance Putty, Black

Category : Polymer , Adhesive , Thermoset , Polyurethane, TS

Material Notes:

Information provided by ITW Devcon

Order this product through the following link:

http://www.lookpolymers.com/polymer_ITW-Devcon-Flexane-Rubber-Repair-Castable-Urethane-High-Performance-Putty-Black.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	Cured; ASTM D2240
Tensile Strength at Break	31.0 MPa	4500 psi	ASTM D412
Elongation at Break	<= 600 %	<= 600 %	ASTM D412
Tear Strength	70.1 kN/m	400 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	140	140	H-18 wheel (1000 gram load)

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	48.9 °C	120 °F	wet
	82.2 °C	180 °F	dry
Shrinkage	12 %	12 %	Cured (shrinkage due to solvent loss); ASTM D2566

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.8 kV/mm	350 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	960 min	16.0 hour	Functional cure
Pot Life	10.0 min	10.0 min	
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Coverage per pound, in ² @ 1/4" thickness	94	

Descriptive Properties	Value	Comments
Mix ratio by weight (Resin:Hardener)		

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