

ITW Devcon Flexane® Rubber Repair / Castable Urethane 80 Liquid, 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-80-Liquid-Black.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0377 lb/in ³	
Viscosity	10000 cP	10000 cP	Mixed Viscosity

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87	87	Cured; ASTM D2240
Tensile Strength at Break	14.5 MPa	2100 psi	ASTM D412
Elongation at Break	<= 650 %	<= 650 %	ASTM D412
Tear Strength	61.4 kN/m	350 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	285	285	H-18 wheel (1000 gram load)

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	48.9 Â°C	120 Â°F	wet
	82.2 Â°C	180 Â°F	dry
Shrinkage	0.18 %	0.18 %	Cured; 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	30.0 min @Temperature 23.9 Â°C	30.0 min @Temperature 75.0 Â°F	

Descriptive Properties	Value	Comments
Coverage per pound, in ² @ 1/4" thickness	106	

Descriptive Properties	Value	Comments
Demolding Time, hours	10	
Mix ratio by weight (Resin:Hardener)	77:23	

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