

ITW Devcon Flexane[®] Rubber Repair / Castable Urethane 94 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-94-Liquid-Black.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0377 lb/in ³	
Viscosity	6000 cP	6000 cP	Mixed Viscosity

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	97	97	Cured; ASTM D2240
Tensile Strength at Break	19.3 MPa	2800 psi	ASTM D412
Elongation at Break	<= 500 %	<= 500 %	ASTM D412
Tear Strength	72.7 kN/m	415 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	330	330	H-18 wheel (1000 gram load)

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	48.9 Å°C	120 Å°F	wet
	82.2 Å°C	180 Å°F	dry
Shrinkage	0.14 %	0.14 %	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	10.0 min	10.0 min	
	@Temperature 23.9 Å°C	@Temperature 75.0 Å°F	

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

Descriptive Properties Demolding Time, hours	Value	Comments
Mix ratio by weight (Resin:Hardener)	69:31	

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