

Dow Corning SILASTIC® 94-599-HC SILICONE RUBBER PART A&B

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Rubber

Material Notes:

47 Durometer, 2-part, 1 to 1 mix, translucent, molding grade, Liquid Silicone Rubber. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-SILASTIC-94-599-HC-SILICONE-RUBBER-PART-AB.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Solids Content	100 %	100 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	49	49	
Tensile Strength, Ultimate	11.0 MPa	1590 psi	
Tensile Strength, Yield	1.38 MPa	200 psi	at 150% elongation, maximum
Elongation at Break	590 %	590 %	
Tear Strength	32.4 kN/m	185 pli	
Compression Set	23 %	23 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.50e+14 ohm-cm	5.50e+14 ohm-cm	
Dielectric Constant	2.89	2.89	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	2.91	2.91	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	18.1 kV/mm	460 kV/in	
Dissipation Factor	0.0022	0.0022	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.0047	0.0047	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Pot Life	1440 min	1440 min	
Shelf Life	18.0 Month	18.0 Month	

Descriptive Properties	Value	Comments
Appearance	clear	
Mix Ratio (X:1)	100	Base to Catalyst ETN

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