

Dow Corning 3110 SILICONE RUBBER ENCAPSULANT

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

Material Notes:

Two-part, white, condensation cure, moderate flow, general purpose encapsulant, cure speed varied by catalyst type and mix ratio. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-3110-SILICONE-RUBBER-ENCAPSULANT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	13000 cP	13000 cP	dynamic

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	
Tensile Strength, Ultimate	2.76 MPa	400 psi	
Elongation at Break	175 %	175 %	
Tear Strength	3.51 kN/m	20.0 pli	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.30e+12 ohm-cm	7.30e+12 ohm-cm	
Dielectric Constant	2.2	2.2	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	2.29	2.29	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	17.1 kV/mm	434 kV/in	
Dissipation Factor	0.0010	0.0010	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.010	0.010	

Electrical Properties	Metric	English	Comments
	@ Frequency 100 Hz	@ Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Shelf Life	18.0 Month	18.0 Month	

Descriptive Properties	Value	Comments
Color	white	
Mix Ratio (X:1)	10	Base to Catalyst ETN

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