

Arlon 51224R015P 0.015" Semi-cured Silicone Rubber with Fiberglass Substrate

Category : Polymer , Thermoset , Silicone , Silicone, Molded, Glass Fiber Filled

Material Notes:

Design/Construction: Side 1: Semi-cured Silicone Rubber Substrate: Prime Coated 7628 Fiberglass Interleave: 3 mil Polyethylene This data represents typical values for the production material and should not be used as material specifications. Information provided by ARLON Silicone Technologies Division.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-51224R015P-0015-Semi-cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	178 microns	7.00 mil	Side 1
	203 microns	8.00 mil	Substrate
	381 microns	15.0 mil	Overall Thickness

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	Silicone Property
Tensile Strength	>= 6.21 MPa	>= 900 psi	Silicone Property
Elongation at Break	>= 200 %	>= 200 %	Silicone Property
Peel Strength	>= 0.877 kN/m	>= 5.00 pli	Bond Strength

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
Flammability Test	3.0	3.0	Inches; Char Length; FTMS 191A; Method 5903
	15	15	Seconds; Flame and Glow Time; FTMS 191A; Method 5903

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 15.7 kV/mm	>= 400 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	Recommended Cure Cycle
	@Temperature 177 °C	@Temperature 350 °F	

Processing Properties	Metric 1.20 Min	English 2.00 Hour	Comments
	@Temperature 204 °C	@Temperature 400 °F	Recommended Post Cure Cycle
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	16.7	Arlon SQA-TMS-025
Uncoated Fabric Break Strength (lb/in)	200	Fill direction
	250	Warp direction

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