

Arlon 48576R006 0.0055" Uncured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: 0.0015" Polyethylene Side 1: Uncured Rubber Substrate: Prime Coated 1080 Fiberglass Side 2: Uncured Rubber
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-48576R006-00055-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	25.4 microns	1.00 mil	Side 1
	50.8 microns	2.00 mil	Side 2
	63.5 microns	2.50 mil	Substrate
	140 microns	5.50 mil	Overall Thickness

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	Compound Property
Tensile Strength	>= 5.52 MPa	>= 800 psi	Compound Property
Elongation at Break	>= 550 %	>= 550 %	Compound Property
Peel Strength	>= 1.05 kN/m	>= 6.00 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	

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	
	120 min	2.00 hour	Recommended Post Cure Cycle
	@Temperature 232 °C	@Temperature 450 °F	

Processing Properties	6.00 Month Metric	6.00 Month English	Comments
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	5	
Uncoated Fabric Break Strength (lb/in)	40	Fill Direction, Substrate Property
	70	Warp Direction, Substrate Property

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