

Arlon 44568R016 0.016" (0.406 mm) Cured/Uncured Layers Uncured Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: PolyethyleneSide 1: Uncured Silicone RubberThis data represents typical values for the production material. The data should not be used to write, or in place of, material specifications.Information provided by Arlon, Silicone Technologies Division

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-44568R016-0016-0406-mm-CuredUncured-Layers-Uncured-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	>= 50.8 microns	>= 2.00 mil	Side 1, Cured
	76.2 microns	3.00 mil	Interleave
	>= 114 microns	>= 4.50 mil	Side 1, Uncured
	>= 114 microns	>= 4.50 mil	Side 2
	127 microns	5.00 mil	Prime Coated 1165 Fiberglass, Substrate
	368 - 445 microns	14.5 - 17.5 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 50	40 - 50	Compound Property
Tensile Strength	>= 5.52 MPa	>= 800 psi	Compound Property
Elongation at Break	>= 500 %	>= 500 %	Compound Property
Peel Strength	>= 0.877 kN/m	>= 5.00 pli	Bond Strength

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	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
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Processing Properties	120 min Metric	2.00 hour English	Comments
	@Temperature 204 °C	@Temperature 400 °F	Red Postcure Cycle
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	
Shelf Life	6.00 Month	6.00 Month	From date of manufacture
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	14.8 - 17.8	
Uncoated Fabric Break Strength	125 lb/in	Warp Direction, Substrate Property
	160 lb/in	Fill Direction, Substrate Property

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