

Arlon R32861R006 0.0055" (0.140 mm) Uncured Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Side 1: Uncured Rubber Side 2: Uncured Rubber This 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-R32861R006-00055-0140-mm-Uncured-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	>= 25.4 microns	>= 1.00 mil	Side 1
	38.1 microns	1.50 mil	Polyethylene, Interleave
	>= 50.8 microns	>= 2.00 mil	Side 2
	63.5 microns	2.50 mil	Prime Coated 1080 Fiberglass (same as 108/no plied yarns), Substrate
	127 - 165 microns	5.00 - 6.50 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	>= 0.526 kN/m	>= 3.00 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
Cure Time	15.0 min	0.250 hour	Recommended Cure Cycle
	@Temperature 177 °C	@Temperature 350 °F	
	120 min	2.00 hour	

Processing Properties	Metric @ Temperature 232 °C	English @ Temperature 450 °F	Recommended Postcure Cycle Comments
Shelf Life	6.00 Month @Temperature <=23.9 °C	6.00 Month @Temperature <=75.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	4.5 - 5.5	
Uncoated Fabric Break Strength	40 lb/in	Fill Direction, Substrate Property
	70 lb/in	Warp Direction, Substrate Property

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