

Arlon R34696R026 0.026" (0.660 mm) Uncured/Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction:Side 1: Cured Silicone Rubber Side 2: Uncured Silicone 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-R34696R026-0026-0660-mm-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	102 microns	4.00 mil	Side 1
	127 microns	5.00 mil	Mylar, Interleave
	>= 127 microns	>= 5.00 mil	Side 2
	406 microns	16.0 mil	Prime Coated 1564 Fiberglass, Substrate
	610 - 711 microns	24.0 - 28.0 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55 - 65	55 - 65	Compound Property
Tensile Strength	>= 6.21 MPa	>= 900 psi	Compound Property
Elongation at Break	>= 300 %	>= 300 %	Compound Property
Peel Strength	>= 1.05 kN/m	>= 6.00 pli	Bond Strength

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	220 °C	428 °F	per UL card E54153
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
Flammability, UL94	HB	HB	Compound Rated

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

Processing Properties	Metric	English	Comments
	15.0 min	0.250 hour	

Cure Time Processing Properties	Metric @ Temperature 177 °C	English @ Temperature 350 °F	Recommended Cure Cycle Comments
	120 min @Temperature 232 °C	2.00 hour @Temperature 450 °F	Recommended Postcure Cycle
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)	27 - 33	
Uncoated Fabric Break Strength	350 lb/in	Fill Direction, Substrate Property
	400 lb/in	Warp Direction, Substrate Property

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