

Arlon 70011B016 0.016" (0.406 mm) Uncured Silicone Rubber with Prime Coated Polyester Fabric Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction:Side 1: Uncured Silicone RubberSide 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-70011B016-0016-0406-mm-Uncured-Silicone-Rubber-with-Prime-Coated-Polyester-Fabric-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	50.8 - 76.2 microns	2.00 - 3.00 mil	Side 1
	76.2 microns	3.00 mil	Polyethylene, Interleave
	102 - 127 microns	4.00 - 5.00 mil	Side 2
	203 microns	8.00 mil	Prime Coated Polyester Fabric, 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	6.89 - 8.27 MPa	1000 - 1200 psi	Compound Property
Elongation at Break	350 - 450 %	350 - 450 %	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
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle

Processing Properties	@Temperature 204 °C Metric	@Temperature 400 °F English	Comments
	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 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Black	
Total Product Weight (oz/yd2)	12.7 - 15.3	
Uncoated Fabric Break Strength	170 lb/in	Fill Direction, Substrate Property
	210 lb/in	Warp Direction, Substrate Property

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