

Arlon 66211A007 0.007" (0.178 mm) Uncured Silicone Rubber Monofilament Polyester Fabric Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction: Interleave 1: Polyethylene Side 1: Uncured Silicone Rubber Substrate: Monofilament Polyester Fabric Side 2: Uncured Silicone Rubber Interleave 2: Polyethylene 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-66211A007-0007-0178-mm-Uncured-Silicone-Rubber-Monofilament-Polyester-Fabric-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	50.8 microns	2.00 mil	Substrate; Arlon SQA-TMS-003
	63.5 microns	2.50 mil	Side 1; Arlon SQA-TMS-003
	63.5 microns	2.50 mil	Side 2; Arlon SQA-TMS-003
	63.5 microns	2.50 mil	Interleave 1
	63.5 microns	2.50 mil	Interleave 2
	178 microns	7.00 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73	73	Silicone Property; ASTM D2240
Tensile Strength	7.58 MPa	1100 psi	Silicone Property; ASTM D412
Elongation at Break	87 %	87 %	Silicone Property; ASTM D412
Tear Strength	7.89 kN/m	45.0 pli	Die B, Silicone Property; ASTM D624
Peel Strength	0.193 kN/m	1.10 pli	Bond Strength; Arlon SQA -TMS-011

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

Processing Properties	Metric	English	Comments
	120 min	2.00 hour	

Cure Time Processing Properties	Metric @ Temperature 204 °C	English @ Temperature 400 °F	Recommended Postcure Cycle Comments
	15.0 min	0.250 hour	
	@Pressure 0.345 MPa, Temperature 121 °C	@Pressure 50.0 psi, Temperature 250 °F	Recommended Cure Cycle
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 21.1 °C	@Temperature 70.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Slate Gray	
	White	Substrate
Fuel Resistance	0.118	Fuel CM85 resistance, ASTM D471
	0.139	Fuel A resistance, ASTM D471
	0.269	Fuel C resistance, ASTM D471
Total Product Weight (oz/yd2)	8.6	Arlon SQA-TMS-025

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