

Arlon 18596R026 0.026" (0.66 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 Substrate: 11523 Style Fiberglass Side 2: Uncured Silicone Rubber Interleave:

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-18596R026-0026-066-mm-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Interleave
	102 microns	4.00 mil	Side 1; Arlon SQA-TMS-003
	178 microns	7.00 mil	Side 2; Arlon SQA-TMS-003
	381 microns	15.0 mil	Substrate; Arlon SQA-TMS-003
	660 microns	26.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	Silicone Property; ASTM D2240
Tensile Strength	6.55 MPa	950 psi	Silicone Property; ASTM D412
Elongation at Break	360 %	360 %	Silicone Property; ASTM D412
Peel Strength	1.54 kN/m	8.80 pli	Bond Strength; ASTM D624

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	20.5 kV/mm	520 kV/in	ASTM D149

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	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)	26.4	Arlon SQA-TMS-025

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