

## Arlon 18646B026 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-18646B026-0026-066-mm-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-18646B026-0026-066-mm-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in <sup>3</sup>	Side 2; Arlon SQA-TMS-024
	1.38 g/cc	0.0499 lb/in <sup>3</sup>	Side 1; Arlon SQA-TMS-024
Thickness	63.5 microns	2.50 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	51	51	Side 1; ASTM D2240
	56	56	Side 2; ASTM D2240
Tensile Strength	5.17 MPa	750 psi	Side 2; ASTM D412
	5.31 MPa	770 psi	Side 1; ASTM D412
Elongation at Break	265 %	265 %	Side 2; ASTM D412
	330 %	330 %	Side 1; ASTM D412
Tear Strength	10.5 kN/m	60.0 pli	Side 2; ASTM D624
	10.9 kN/m	62.0 pli	Side 1; ASTM D624
Peel Strength	1.45 kN/m	8.30 pli	Bond Strength; Arlon SQA-TMS-011

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	120 °C	200 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	16.1 kV/mm	410 kV/in	Arlon SQA-TMS-020

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
Shelf Life	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 121 °C	@Pressure 50.0 psi, Temperature 250 °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)	29.3	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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