

## Arlon 55578XA030 0.032" (0.813 mm) Uncured/Cured Silicone Rubber with Fiberglass Substrate

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

### Material Notes:

Design/Construction: Interleave: Polyethylene Side 2, Layer 2: Uncured Silicone Rubber Side 2, Layer 1: Cured Silicone Rubber Substrate: 162 Style Fiberglass Side 1: Cured Silicone Rubber (Skim Coat) Appearance: Gray silicone gum and/or rubber on fiberglass cloth 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-55578XA030-0032-0813-mm-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-55578XA030-0032-0813-mm-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	38.1 microns	1.50 mil	Side 2, Layer 1; Arlon SQA-TMS-003
	76.2 microns	3.00 mil	Interleave
	292 microns	11.5 mil	Side 2, Layer 2; Arlon SQA-TMS-003
	483 microns	19.0 mil	Substrate; Arlon SQA-TMS-003
	813 microns	32.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	44	44	Silicone Property; ASTM D2240
Tensile Strength	7.58 MPa	1100 psi	Silicone Property; ASTM D412
Elongation at Break	650 %	650 %	Silicone Property; ASTM D412
Peel Strength	4.21 kN/m	24.0 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	
UL RTI, Electrical	220 °C	428 °F	E54153
UL RTI, Mechanical without Impact	200 °C	392 °F	E54153

Electrical Properties	Metric	English	Comments
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Dielectric Strength Electrical Properties	20.9 kV/mm Metric	530 kV/in English	ASTM D149 Comments
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Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	Recommended Cure Cycle
	@Temperature 177 °C	@Temperature 350 °F	
	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °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	Gray	
Total Product Weight (oz/yd2)	31	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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