



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

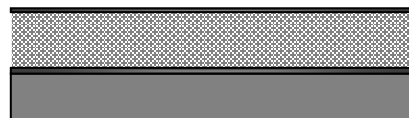
Arlon Product Number

55278XA030

PRODUCT DESCRIPTION

Design / Construction

Side 1: Cured Silicone Rubber
Substrate: Style 162 Fiberglass
Side 2 Layer 1: Cured Silicone Rubber
Side 2 Layer 2: Uncured Silicone Rubber
Interleave: 0.0025" polyethylene



<u>Rubber Add-On Thickness</u>	<u>Value</u>	<u>Method</u>
Side 1:	0.0010"	Arlon SQA-TMS-003
Side 2 Layer 1:	0.0015"	Arlon SQA-TMS-003
Side 2 Layer 2:	0.0115"	Arlon SQA-TMS-003
Overall Thickness:	0.0295"	Arlon SQA-TMS-003

Product Color : Gray

TYPICAL PROPERTIES

<u>Silicone Properties</u>	<u>Value</u>	<u>Method</u>
Tensile Strength psi	1070	Arlon SQA-TMS-008
Elongation %	300	Arlon SQA-TMS-008
Tear Strength (Die B) ppiw	90	Arlon SQA-TMS-029
Durometer Shore A Points	60	Arlon SQA-TMS-014
Specific Gravity ---	1.35	Arlon SQA-TMS-024

<u>Substrate Properties</u>	<u>Value</u>	<u>Method</u>
Thickness	0.016"	Arlon SQA-TMS-003
Color	Gray	N/A

<u>Product Properties</u>	<u>Value</u>	<u>Method</u>
Dielectric Strength volts/mil	574	Arlon SQA-TMS-020
Bond Strength (L2 to L2) lb/in	11.8	Arlon SQA-TMS-011
Total Product Weight oz/yd ²	31.5	Arlon SQA-TMS-025

SHELF LIFE & PROCESSING RECOMMENDATIONS

Product Shelf Life 6 months from date of manufacture @ 70°F
Note: Shelf life is defined as the duration of time for which the product will meet the physical characteristics outlined on this page. It does not guarantee the product's usefulness in all applications.

Recommended Cure Cycle 15 minutes @ 250°F and 50 PSI

Recommended Post Cure Cycle 400°F for 2 hours

Product Operating Temperature -70°F to 428°F

UL INFORMATION

UL Recognition : E54153 (RTI 220°C/220°C)

The data presented in this document represent typical values for the production material.

The data should not be used to write, or in place of, material specifications.

Please verify that any printed hard copy of this datasheet is current by referencing:

<http://www.rogerscorporation.com>

Last Revised May 11, 2016.