



Elastomeric Material Solutions Division
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PRODUCT INFORMATION SHEET

ARLON® Product Number 51981R015

PRODUCT DESCRIPTION

Design / Construction

Interleave: 0.0025" polyethylene
Side 1: Uncured Silicone Rubber
Substrate Style 7628 fiberglass
Side 2: Uncured Silicone Rubber
Interleave: 0.0025" polyethylene



Rubber Add-On Thickness

	<u>Value</u>	<u>Method</u>
Side 1:	0.0035"	Arlon SQA-TMS-003
Side 2:	0.0035"	Arlon SQA-TMS-003
Overall Thickness:	0.0150"	Arlon SQA-TMS-003

Product Color : Red

TYPICAL PROPERTIES

Silicone Properties

	<u>Value</u>	<u>Method</u>
Tensile Strength psi	838	Arlon SQA-TMS-008
Elongation %	128	Arlon SQA-TMS-008
Tear Strength (Die B) ppiw	89	Arlon SQA-TMS-029
Durometer Shore A Points	74	Arlon SQA-TMS-014
Specific Gravity ---	1.62	Arlon SQA-TMS-024

Substrate Properties

	<u>Value</u>	<u>Method</u>
Thickness	0.008"	Arlon SQA-TMS-003
Color	Red	N/A

Product Properties

	<u>Value</u>	<u>Method</u>
Dielectric Strength volts/mil	853	Arlon SQA-TMS-020
Bond Strength (S1 to S2) lb/in	3.6	Arlon SQA-TMS-011
Total Product Weight oz/yd ²	18.6	Arlon SQA-TMS-025
Flame Resistance UL94	V-0	Arlon SQA-TMS-019

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

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

Typical values should not be used for specification limits.

Please verify that any printed hard copy of this datasheet is current by referencing: www.rogerscorp.com/arlon

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