



Elastomeric Material Solutions Division
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PRODUCT INFORMATION SHEET

ARLON® Product Number 51581R018

PRODUCT DESCRIPTION

Design / Construction

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



Rubber Add-On Thickness

	Value	Method
Side 1:	0.005"	Arlon SQA-TMS-003
Side 2:	0.005"	Arlon SQA-TMS-003
Overall Thickness:	0.018"	Arlon SQA-TMS-003

Product Color: Red

TYPICAL PROPERTIES

Silicone Properties

	Value	Method
Tensile Strength psi	950	Arlon SQA-TMS-008
Elongation %	620	Arlon SQA-TMS-008
Tear Strength (Die B) lb./in.	150	Arlon SQA-TMS-029
Durometer Shore A Points	37	Arlon SQA-TMS-014
Specific Gravity ---	1.34	Arlon SQA-TMS-024

Substrate Properties

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

Product Properties

	Value	Method
Dielectric Strength volts/mil	813	Arlon SQA-TMS-020
Bond Strength (S1 to S2) lb/in	7.8	Arlon SQA-TMS-011
Total Product Weight oz/yd ²	18.6	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 @ 350°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 : UL 94 HB at 200°C per card E54153

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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