



SILICONE TECHNOLOGIES DIVISION
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PRODUCT INFORMATION SHEET

Arlon Product Number

55586R040

PRODUCT DESCRIPTION

Design / Construction

Side 1: Cured Silicone Rubber
Substrate: Style 162 fiberglass
Side 2: Uncured Silicone Rubber
Interleave: 3 mil LDPE



Rubber Add-On Thickness

	<u>Value</u>	<u>Method</u>
Side 1:	0.004"	Arlon SQA-TMS-003
Side 2:	0.018"	Arlon SQA-TMS-003
Overall Thickness:	0.040"	Arlon SQA-TMS-003

Product Color : Red

PHYSICAL PROPERTIES

Side 1 Silicone Compound Properties

	<u>Value</u>	<u>Method</u>
Tensile Strength psi	425	ASTM D 412
Elongation %	475	ASTM D 412
Tear Strength lb/in	56	ASTM D 624
Durometer Shore A Points	48	ASTM D 2240
Specific Gravity ---	1.56	Arlon SQA-TMS-024

Side 2 Silicone Compound Properties

	<u>Value</u>	<u>Method</u>
Tensile Strength psi	950	ASTM D 412
Elongation %	625	ASTM D 412
Tear Strength lb/in	150	ASTM D 624
Durometer Shore A Points	37	ASTM D 2240
Specific Gravity ---	1.32	Arlon SQA-TMS-024

Substrate Physical Properties

	<u>Value</u>	<u>Method</u>
Thickness	0.018"	Arlon SQA-TMS-003
Color	Red	N/A

Product Properties

	<u>Value</u>	<u>Method</u>
Dielectric Strength volts/mil	598	ASTM D 149
Bond Strength lb/in	23.1	Arlon SQA-TMS-011
Total Product Weight oz/yd ²	43.8	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 & 50 psi

Recommended Post Cure Cycle 400°F for 2 hours

Product Operating Temperature -70°F to 450°F

UL INFORMATION

UL Recognition : E54153 (200°C/200°C RTI)

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.arlon-std.com/Library/datasheets.htm>

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