



SILICONE TECHNOLOGIES DIVISION  
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## PRODUCT INFORMATION SHEET

Arlon Product Number

55579R055

### PRODUCT DESCRIPTION

#### Design / Construction

**Interleave:** 3 mil PE  
**Layer 2:** Uncured Silicone Rubber  
**Layer 1:** Cured Silicone Rubber  
**Substrate:** 162 Style Fiberglass



#### Rubber Add-On Thickness

	<u>Value</u>	<u>Method</u>
<b>Layer 2:</b>	0.033"	Arlon SQA-TMS-003
<b>Layer 1:</b>	0.003"	Arlon SQA-TMS-003
<b>Overall Thickness:</b>	0.054"	Arlon SQA-TMS-003

**Product Color :** Red

### PHYSICAL PROPERTIES

#### Layer 2 Silicone Properties

	<u>Value</u>	<u>Method</u>
<b>Tensile Strength</b> psi	1100	ASTM D 412
<b>Elongation</b> %	650	ASTM D 412
<b>Durometer</b> Shore A Points	44	ASTM D 2240
<b>Specific Gravity</b> ---	1.24	Arlon SQA-TMS-024

#### Layer 1 Silicone Properties

	<u>Value</u>	<u>Method</u>
<b>Tensile Strength</b> psi	890	ASTM D 412
<b>Elongation</b> %	550	ASTM D 412
<b>Durometer</b> Shore A Points	52	ASTM D 2240
<b>Specific Gravity</b> ---	1.35	Arlon SQA-TMS-024

#### Substrate Physical Properties

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

#### Product Physical Properties

	<u>Value</u>	<u>Method</u>
<b>Dielectric Strength</b> volts/mil	635	ASTM D 149
<b>Bond Strength</b> lb/in	39.3	Arlon SQA-TMS-011
<b>Total Product Weight</b> oz/yd <sup>2</sup>	51.8	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 and 50 PSI

#### Recommended Postcure Cycle

400°F for 2 hours

#### Product Operating Temperature

-70°F to 450°F

### UL INFORMATION

**File :** E54153 (220°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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