



Arlon Silicones Technology

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## PRODUCT INFORMATION SHEET

Arlon Product Number

51228R025

### PRODUCT DESCRIPTION

#### Design / Construction

**Interleave:** 1.5 mil polyethylene  
**Side 1, Layer 2:** Uncured silicone rubber  
**Side 1, Layer 1:** Cured silicone rubber  
**Substrate:** Style 7628 fiberglass  
**Side 2:** Cured silicone rubber



<u>Thickness</u>	<u>Value</u>	<u>Method</u>
<b>Side 1 (Cured/Uncured layer):</b>	0.00075" / 0.0155"	Arlon SQA-TMS-003
<b>Side 2:</b>	0.00075"	Arlon SQA-TMS-003
<b>Overall Thickness:</b>	0.0250"	Arlon SQA-TMS-003

**Product Color :** Red

### PROPERTIES

<u>Silicone Compound Properties</u>	<u>Value</u>	<u>Method</u>
<b>Tensile Strength</b> psi	880	ASTM D 412
<b>Elongation</b> %	470	ASTM D 412
<b>Durometer</b> Shore A Points	50	ASTM D 2240
<b>Specific Gravity</b> ---	1.24	Arlon SQA-TMS-024

<u>Fiberglass Substrate Properties</u>	<u>Value</u>	<u>Method</u>
<b>Thickness</b>	0.008"	Arlon SQA-TMS-003

<u>Product Properties</u>	<u>Value</u>	<u>Method</u>
<b>Dielectric Strength</b> volts/mil	600	ASTM D 149
<b>Bond Strength</b> lb/in	11.0	ASTM D 624
<b>Total Product Weight</b> oz/yd <sup>2</sup>	32.4	Arlon SQA-TMS-025

### PROCESSING RECOMMENDATIONS

<b>Product Shelf Life</b>	6 months from date of manufacture @75°F <i>Note: Shelf life is defined as the duration of time for which the product will meet the physical requirements outlined below. It does not guarantee the product's usefulness in all applications.</i>
<b>Recommended Cure Cycle</b>	15 minutes @ 350° F; 50 psi
<b>Recommended Post Cure Cycle</b>	2-3 hours @ 375-410° F
<b>Product Operating Temperature</b>	-70°F to 450°F

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.

Last Revised May 9, 2016.