



Arlon Silicones Technology

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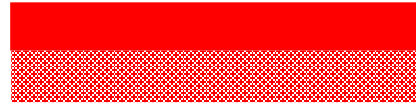
## PRODUCT INFORMATION SHEET

**Arlon Product Number** P29514R025

### PRODUCT DESCRIPTION

#### Design / Construction

**Interleave:** N/A  
**Side 1:** Semi-cured Silicone Rubber  
**Substrate:** Style 3823 Heat Cleaned Fiberglass



#### Rubber Add-On Thickness

	<u>Value</u>	<u>Method</u>
<b>Side 1:</b>	0.012"	Arlon SQA-TMS-003
<b>Overall Thickness:</b>	0.026"	Arlon SQA-TMS-003

**Product Color :** Red

### TYPICAL PROPERTIES

#### Silicone Compound Properties

	<u>Value</u>	<u>Method</u>
<b>Tensile Strength</b> psi	750	Arlon SQA-TMS-008
<b>Elongation</b> %	450	Arlon SQA-TMS-008
<b>Durometer</b> Shore A Points	47	Arlon SQA-TMS-029
<b>Specific Gravity</b> ---	1.18	Arlon SQA-TMS-024

#### Substrate Properties

	<u>Value</u>	<u>Method</u>
<b>Thickness</b>	0.014"	Arlon SQA-TMS-003
<b>Color</b>	Red	N/A

#### Product Properties

	<u>Value</u>	<u>Method</u>
<b>Dielectric Strength</b> volts/mil	594	Arlon SQA-TMS-020
<b>Ply Adhesion (S1 to S2)</b> lb/in	14	Arlon SQA-TMS-011
<b>Ply adhesion (S1 to S2)</b> lb/in	17	Arlon SQA-TMS-989
<b>Total Product Weight</b> oz/yd <sup>2</sup>	27.5	Arlon SQA-TMS-025

### SHELF LIFE & PROCESSING RECOMMENDATIONS

**Product Shelf Life** 90 days from DOM @ 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 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.  
Please verify that any printed hard copy of this datasheet is current by referencing:  
<http://www.rogerscorporation.com>*

Last Revised May 13, 2016.