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PRODUCT INFORMATION SHEET	
<b>ARLON® Product Number</b>	55142R025

**PRODUCT DESCRIPTION**

**Design / Construction**

**Interleave:** 0.0025" Polyethylene  
**Side 1:** Cured Silicone Rubber  
**Substrate:** Style 162 Fiberglass



<b>Rubber Add-On Thickness</b>	<b>Value</b>	<b>Method</b>
<b>Side 1:</b>	0.009"	Arlon SQA-TMS-003
<b>Overall Thickness:</b>	0.025"	Arlon SQA-TMS-003

**Product Color:** Red

**TYPICAL PROPERTIES**

<b>Silicone Properties</b>	<b>Value</b>	<b>Method</b>
<b>Tensile Strength</b> psi	1070	Arlon SQA-TMS-008
<b>Elongation</b> %	300	Arlon SQA-TMS-008
<b>Tear Strength (Die B)</b> ppiw	90	Arlon SQA-TMS-029
<b>Durometer Shore A Points</b>	60	Arlon SQA-TMS-014
<b>Specific Gravity</b> ---	1.35	Arlon SQA-TMS-024
<b>Coefficient of Thermal Expansion (30°C -&gt; 220°C)</b> °C <sup>-1</sup>	285x10 <sup>-6</sup>	ASTM E 831
<b>Thermal Conductivity (150°C)</b> W/mK	0.26	Arlon SQA-TMS-022

<b>Substrate Properties</b>	<b>Value</b>	<b>Method</b>
<b>Thickness</b>	0.016"	Arlon SQA-TMS-003
<b>Color</b>	Red	N/A

<b>Product Properties</b>	<b>Value</b>	<b>Method</b>
<b>Dielectric Strength</b> volts/mil	416	Arlon SQA-TMS-020
<b>Total Product Weight</b> oz/yd <sup>2</sup>	28.1	Arlon SQA-TMS-025

**SHELF LIFE AND OPERATING TEMPERATURE**

**Product Shelf Life** 60 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 Post-Cure Cycle** 400°F for 2 hours

**Product Operating Temperature** -70°F to 428°F

**UL INFORMATION**

**UL Recognition:** E54153 (RTI200°C/200°C)

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/aron](http://www.rogerscorp.com/aron)

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