

## PRODUCT INFORMATION SHEET

**ARLON® Product Number** 48A53R009

### PRODUCT DESCRIPTION

#### Design / Construction

**Interleave:** 0.0025" polyethylene  
**Side 1:** Cured Silicone Rubber  
**Substrate:** Style 1080 fiberglass  
**Side 2:** Cured Silicone Rubber  
**Carrier:** 0.005" PTFE coated fiberglass



<u>Rubber Add-On Thickness</u>	<u>Value</u>	<u>Method</u>
<b>Side 1:</b>	0.003"	Arlon SQA-TMS-003
<b>Side 2:</b>	0.003"	Arlon SQA-TMS-003
<b>Overall Thickness:</b>	0.009"	Arlon SQA-TMS-003

**Product Color :** Mauve

### TYPICAL PROPERTIES

<u>Silicone Properties</u>	<u>Value</u>	<u>Method</u>
<b>Glass Transition Temperature</b> °F	-85°	Arlon SQA-TMS-055
<b>Thermal Conductivity @100°C</b> W/mK	1.2	Arlon SQA-TMS-022
<b>Durometer</b> Shore A Points	85	Arlon SQA-TMS-014
<b>Specific Gravity</b> ---	2.5	Arlon SQA-TMS-024

<u>Substrate Properties</u>	<u>Value</u>	<u>Method</u>
<b>Thickness</b>	0.003"	Arlon SQA-TMS-003
<b>Color</b>	White	N/A

<u>Product Properties</u>	<u>Value</u>	<u>Method</u>
<b>Dielectric Strength</b> volts/mil	1085	Arlon SQA-TMS-020
<b>Lap Shear Strength</b> psi	432	Arlon SQA-TMS-018
<b>Torque Strength</b> kg-cm	13.9	Arlon SQA-TMS-065
<b>Flame Resistance</b> UL94	V-0	Arlon SQA-TMS-019
<b>Thermal Impedance @ 380PSI</b> In <sup>2</sup> -C/W	0.4	Arlon SQA-TMS-054
<b>Total Product Weight</b> oz/yd <sup>2</sup>	12.6	Arlon SQA-TMS-025

### SHELF LIFE AND OPERATING TEMPERATURE

**Product Shelf Life** Five years from date of manufacture @75°F +/- 3°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.*

**Product Operating Temperature** -50°F to 400°F

### UL INFORMATION

**UL Recognition :** E54153

- The data presented in this document represent typical values for the production material.
- Typical values should not be used for specification limits.
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