



Arlon Silicones Technology

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## PRODUCT INFORMATION SHEET

**Arlon Product Number**

44276XA010

### PRODUCT DESCRIPTION

#### Design / Construction

**Side 1:** Cured silicone rubber  
**Substrate:** Style 1165 fiberglass  
**Side 2:** Uncured silicone rubber  
**Interleave:** 0.0025" polyethylene



#### Rubber Add-On Thickness

	<u>Value</u>	
<b>Side 1:</b>	0.0025"	Arlon SQA-TMS-003
<b>Side 2:</b>	0.0025"	Arlon SQA-TMS-003
<b>Overall Thickness:</b>	0.0100"	Arlon SQA-TMS-003

**Product Color :** Gray

### TYPICAL PROPERTIES

<u>Silicone Properties</u>		<u>Value</u>	<u>Method</u>
<b>Tensile Strength</b>	psi	1070	Arlon SQA-TMS-008
<b>Elongation</b>	%	300	Arlon SQA-TMS-008
<b>Tear Strength (Die B)</b>	lb/in	90	Arlon SQA-TMS-029
<b>Durometer</b>	Shore A Points	60	Arlon SQA-TMS-014
<b>Specific Gravity</b>	---	1.35	Arlon SQA-TMS-024

<u>Substrate Properties</u>		<u>Value</u>	<u>Method</u>
<b>Thickness</b>		0.005"	Arlon SQA-TMS-003
<b>Color</b>		Gray	N/A

<u>Product Properties</u>		<u>Value</u>	<u>Method</u>
<b>Dielectric Strength</b>	volts/mil	936	Arlon SQA-TMS-020
<b>Bond Strength (S1 to S2)</b>	lb/in	6.9	Arlon SQA-TMS-011
<b>Total Product Weight</b>	oz/yd <sup>2</sup>	12.4	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 @ 250°F and 50 psi

**Recommended Post Cure Cycle** 400°F for 2 hours

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

### UL INFORMATION

**UL Recognition :** E54153 (220°C/220°C)

*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:*

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