



Arlon Silicones Technology

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## PRODUCT INFORMATION SHEET

Arlon Product Number

44430B020

### PRODUCT DESCRIPTION

#### Design / Construction

**Interleave:** 3 mil PE  
**Side 1:** Uncured Silicone Rubber  
**Substrate:** Style 1165 fiberglass  
**Side 2:** N/A



#### Rubber Add-On Thickness

	<u>Value</u>	<u>Method</u>
<b>Side 1:</b>	0.016"	Arlon SQA-TMS-003
<b>Side 2:</b>	N/A	Arlon SQA-TMS-003
<b>Overall Thickness:</b>	0.020"	Arlon SQA-TMS-003

**Product Color :** Black

### PHYSICAL PROPERTIES

#### Silicone Properties

	<u>Value</u>	<u>Method</u>
<b>Tensile Strength</b> psi	911	ASTM D 412
<b>Elongation</b> %	322	ASTM D 412
<b>Tear Strength</b> ppiw	72	ASTM D624
<b>Durometer</b> Shore A Points	45	ASTM D 2240
<b>Specific Gravity</b> ---	1.18	Arlon SQA-TMS-024

#### Substrate Properties

	<u>Value</u>	<u>Method</u>
<b>Thickness</b>	0.004"	Arlon SQA-TMS-003
<b>Color</b>	White	NA

#### Product Properties

	<u>Value</u>	<u>Method</u>
<b>Dielectric Strength</b> volts/mil	982	ASTM D 149
<b>Bond Strength (S1 to S1)</b> lb/in	12.2	Arlon SQA-TMS-011
<b>Total Product Weight</b> oz/yd <sup>2</sup>	19.5	Arlon SQA-TMS-025

### 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 @350°F; 50 psi

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

**Product Operating Temperature** -70°F to 450°F

### UL Recognition

**UL Recognition :** N/A

*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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