



Arlon Silicones Technology

1100 Governor Lea Road, Bear, DE 19701  
1.302.834.2100 • 1.302.834.4021 (Fax)

## PRODUCT INFORMATION SHEET

**Arlon Product Number**

44276X010

### 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

**Side 1:**  
**Side 2:**

#### Value

0.0025"  
0.0025"  
0.0100"

Arlon SQA-TMS-003  
Arlon SQA-TMS-003  
Arlon SQA-TMS-003

**Overall Thickness:**

**Product Color :** Gray

### TYPICAL PROPERTIES

#### Silicone Properties

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

#### Substrate Properties

	Value	Method
Thickness	0.005"	Arlon SQA-TMS-003
Color	Gray	N/A

#### Product Properties

		Value	Method
Dielectric Strength	volts/mil	945	Arlon SQA-TMS-020
Bond Strength (S1 to S2)	lb/in	6.8	Arlon SQA-TMS-011
Total Product Weight	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:

<http://www.rogerscorporation.com>

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