



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

55149R028

PRODUCT DESCRIPTION

Design / Construction

Interleave: 3 mil polyethylene
Layer 2: Uncured Silicone Rubber
Layer 1: Cured Silicone Rubber
Substrate: Style 162 Fiberglass



Rubber Add-On Thickness

	<u>Value</u>	<u>Method</u>
Layer 2:	7.0 mil	Arlon SQA-TMS-003
Layer 1:	3.5 mil	Arlon SQA-TMS-003
Overall Thickness:	29.5 mil	Arlon SQA-TMS-003

Product Color : Red

PHYSICAL PROPERTIES

Layer 2 Silicone Properties

	<u>Value</u>	<u>Method</u>
Tensile Strength psi	800	ASTM D 412
Elongation %	225	ASTM D 412
Tear Strength (Die B) ppiw	90	ASTM D624
Durometer Shore A Points	60	ASTM D2240
Specific Gravity ---	1.35	Arlon SQA-TMS-024

Layer 1 Silicone Properties

	<u>Value</u>	<u>Method</u>
Tensile Strength psi	800	ASTM D 412
Elongation %	225	ASTM D 412
Tear Strength (Die B) ppiw	90	ASTM D624
Durometer Shore A Points	60	ASTM D2240
Specific Gravity ---	1.35	Arlon SQA-TMS-024

Substrate Physical Properties

	<u>Value</u>	<u>Method</u>
Thickness	19 mil	Arlon SQA-TMS-003

Product Properties

	<u>Value</u>	<u>Method</u>
Dielectric Strength volts/mil	440	ASTM D 149
Bond Strength (S1 to S1) lb/in	7.9	ASTM D 624
Total Product Weight oz/yd ²	27.8	Arlon SQA-TMS-025

PROCESSING RECOMMENDATIONS

Product Shelf Life 6 months from date of manufacture @ 75°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 450°F

UL Recognition

File: E54153 (200/200°C RTI)

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.

Last Revised May 11, 2016.