



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Product Number 51228R015

PRODUCT DESCRIPTION

Design / Construction

Interleave: 1.5 mil polyethylene
Side 1, Layer 2: Uncured silicone rubber
Side 1, Layer 1: Cured silicone rubber
Substrate: Style 7628 fiberglass
Side 2: Cured silicone rubber



Thickness

	<u>Value</u>	<u>Method</u>
Side 1 (Cured/Uncured layer):	0.00075" / 0.006"	Arlon SQA-TMS-003
Side 2:	0.00075"	Arlon SQA-TMS-003
Overall Thickness:	0.0155"	Arlon SQA-TMS-003

Product Color : Red

PROPERTIES

Silicone Compound Properties

	<u>Value</u>	<u>Method</u>
Tensile Strength psi	880	ASTM D 412
Elongation %	470	ASTM D 412
Durometer Shore A Points	50	ASTM D 2240
Specific Gravity ---	1.24	Arlon SQA-TMS-024

Fiberglass Substrate Properties

	<u>Value</u>	<u>Method</u>
Thickness	0.008"	Arlon SQA-TMS-003

Product Properties

	<u>Value</u>	<u>Method</u>
Dielectric Strength volts/mil	600	ASTM D 149
Bond Strength lb/in	8.0	ASTM D 624
Thermal conductivity W/mK	0.29	ASTM E1530
Total Product Weight oz/yd ²	16.0	Arlon SQA-TMS-025

PROCESSING RECOMMENDATIONS

Product Shelf Life	6 months from date of manufacture @75°F <i>Note: Shelf life is defined as the duration of time for which the product will meet the physical requirements outlined below. It does not guarantee the product's usefulness in all applications.</i>
Recommended Cure Cycle	15 minutes @ 350° F; 50 psi
Recommended Post Cure Cycle	2-3 hours @ 375-410° F
Product Operating Temperature	-70°F to 450°F

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 9, 2016.