



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Product Number

99A70X015

PRODUCT DESCRIPTION

Low Outgassing Primerless Thermabond[®]: Electrically insulating, thermally conductive, electronic adhesive. Bonds without primer.

Design / Construction

Interleave: 0.001" FEP
Side 1: Uncured Silicone Rubber
Carrier: 0.003" mil PTFE coated fiberglass
Side 2: N/A



<u>Rubber Add-On Thickness</u>	<u>Value</u>	<u>Method</u>
Side 1:	0.015"	Arlon SQA-TMS-003
Side 2:	NA	Arlon SQA-TMS-003
Overall Thickness:	0.015"	Arlon SQA-TMS-003

Product Color : Gray

TYPICAL PROPERTIES

<u>Silicone Properties</u>	<u>Value</u>	<u>Method</u>
Tensile Strength psi	685	Arlon SQA-TMS-008
Elongation %	125	Arlon SQA-TMS-008
Durometer Shore A	77	Arlon SQA-TMS-014
Specific Gravity ---	2.80	Arlon SQA-TMS-024
Thermal Conductivity @ 100C W/m-K	1.4	Arlon SQA-TMS-054

<u>Product Properties</u>	<u>Value</u>	<u>Method</u>
Outgassing %TML	0.31	Arlon SQA-TMS-045
Outgassing %CVCM	0.07	ASTM E-595
Dielectric Strength volts/mil	1011	Arlon SQA-TMS-024
Lap Shear Strength psi	687	Arlon SQA-TMS-018
Flame Resistance (not recognized) UL94	V-0	Arlon SQA-TMS-019
Total Product Weight oz./yd ²	15.7	Arlon SQA-TMS-025

SHIPPING AND SHELF LIFE

Shipping Recommendation Arlon recommends refrigerated shipment for this product.

Product Shelf Life 6 months from DOM at 7°C +/- 3°C

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.

PROCESSING RECOMMENDATIONS

Recommended Primers No primer required.

Recommended Cure Cycle 15 minutes @ 121°C and 50 psi

Product Operating Temperature -100 to 204°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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