



Elastomeric Material Solutions Division
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PRODUCT INFORMATION SHEET

ARLON® Product Number 99A70X008

PRODUCT DESCRIPTION

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

Design / Construction

Interleave: 0.001" FEP
Product: Uncured Silicone Rubber
Carrier: 0.003" PTFE Coated Fiberglass



Product Thickness	Overall Thickness:	Value	Method
		0.008"	Arlon SQA-TMS-003

Product Color: Gray

TYPICAL PROPERTIES

Silicone Properties		Value	Method
Tensile Strength	psi	685	Arlon SQA-TMS-008
Elongation	%	125	Arlon SQA-TMS-008
Durometer	Shore A Points	77	Arlon SQA-TMS-014
Specific Gravity	---	2.80	Arlon SQA-TMS-024
Thermal Conductivity @ 100°C	W/m-K	1.4	Arlon SQA-TMS-054
Product Properties		Value	Method
Outgassing	%TML	0.07	ASTM E595-15
Outgassing	%CVCM	0.02	ASTM E595-15
Dielectric Strength	volts/mil	1290	Arlon SQA-TMS-020
Lap Shear Strength	Psi	740	Arlon SQA-TMS-018
Flame Resistance (not recognized)	UL94	V-0	Arlon SQA-TMS-019
Total Product Weight	oz/yd ²	17.7	Arlon SQA-TMS-025

SHIPPING AND SHELF LIFE

Shipping Recommendation	Rogers recommends refrigerated shipment for this product
Product Shelf Life	6 months from DOM at 7°C +/- 3°C
<i>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.</i>	

PROCESSING RECOMMENDATIONS

Recommended Primers	No primer required
Recommended Cure Cycle	15 minutes @ 121°C and 0.101 to 0.345 MPa
Product Operating Temperature	-100° to 204°C

The data presented in this document represents typical values for the production material. Typical values should not be used for specification limits. Please verify that any printed hard copy of this datasheet is current by referencing: www.rogerscorp.com/arlon

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