

PRODUCT INFORMATION SHEET
Arlon Product Number

99A60X008

PRODUCT DESCRIPTION

Primerless Thermabond®: Electrically insulating, thermally conductive, electronic adhesive. Bonds without primer.

Design / Construction

Liner: 0.001' FEP
Product: Gray Uncured Silicone Rubber
Carrier: 0.003" PTFE coated fiberglass

Product Thickness
Thickness:
Value

0.008

Method

Arlon SQA-TMS-003

PROPERTIES

Silicone Compound Properties		Value	Method
Tensile Strength	psi	330	ASTM D 412
Elongation	%	170	ASTM D 412
Poisson's Ratio	---	-0.5	---
Durometer	Shore A	57	ASTM D 2240
Plasticity	mm	2.20	Arlon SQA-TMS-005
Specific Gravity	---	2.6	Arlon SQA-TMS-024
Thermal Conductivity @ 100C	W/m-K	1.4	ASTM E 1530
Heat Capacity	J/gK	0.9	ASTM E1461-01
Dielectric constant D_k	@ 1 MHz	5.9	IPC TM 650 - 2.5.5.3
Dissipation factor D_f	@ 1 MHz	0.004	IPC TM 650 - 2.5.5.3
Elastic Modulus	psi	230	Arlon SQA-TMS-008
Glass Transition Temperature	°C	-120	ASTM D3418
CTE	ppm/°C	128	ASTM E831

Product Properties		Value	Method
Dielectric Strength	volts/mil	850	ASTM D 149
Lap Shear Strength	psi	320	ASTM D 1002
Shear Modulus	psi	50	ASTM D 1002
Thermal Resistance	°C-in²/W	0.112	ASTM E 1530
Total Product Weight	g/m²	528	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 45°F +/- 5°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.*

PROCESSING RECOMMENDATIONS and OPERATING TEMPERATURE
Recommended Primers

No primer required.

Recommended Cure Cycle

15 min after Thermabond® temperature reaches 100°C

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.
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