



SILICONE TECHNOLOGIES DIVISION
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PRODUCT INFORMATION SHEET

Arlon Product Number

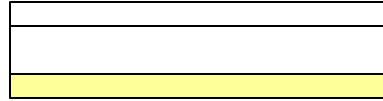
99730N008

PRODUCT DESCRIPTION

Electrically Conductive – Thermabond®. Bonds with primer

Design / Construction

Liner: 1 mil FEP
Product: Uncured Silicone Rubber
Carrier: 3 mil PTFE coated fiberglass



Product Thickness

Thickness:

Value

8 mil

Method

Arlon SQA-TMS-003

Product Color : Naturally Gray

PHYSICAL PROPERTIES

Silicone Compound Physical Properties

		<u>Value</u>	<u>Method</u>
Tensile Strength	psi	385	ASTM D 412
Elongation	%	225	ASTM D 412
Poisson's Ratio	---	~0.5	---
Durometer	SAP	70	ASTM D 2240
Specific Gravity	---	3.7	Arlon SQA-TMS-024
Thermal Conductivity	W/m-K	2.5	ASTM E 1530
Thermal Resistance	°C-in ² /W	0.13	ASTM E 1530
Heat Capacity	J/gK	0.40	E1461-01
Volume Resistivity	W - cm	5 x 10 ⁻²	ASTM D 991
Elastic Modulus	psi	798	Arlon SQA-TMS-008
Glass Transition Temperature	°C	-116	ASTM E 1356
Coefficient of Thermal Expansion	ppm/°C	93	ASTM E831

Product Physical Properties

		<u>Value</u>	<u>Method</u>
Lap Shear Strength	psi	475	ASTM D 1002
Shear Modulus	psi	43	ASTM D 1002
Total Product Weight	g/m ²	752	Arlon SQA-TMS-025
Flame resistance	UL94V-0	N/A	N/A

PROCESSING RECOMMENDATIONS

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.

Recommended Primers

Dow Corning S2260

Recommended Cure Cycle

15 min @ 285°F under pressure

Recommended Postcure Cycle

None

Product Operating Temperature

-100 to 400°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.*

Revised: November 7th, 2005