



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Product Number

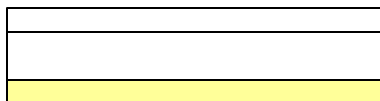
99950N008

PRODUCT DESCRIPTION

Electrically conductive - Thermabond® - Primerless

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

		Value	Method
Tensile Strength	psi	485	ASTM D 412
Elongation	%	60	ASTM D 412
Poisson's Ratio	---	~0.5	---
Durometer	SAP	84	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	2838	Arlon SQA-TMS-008
Glass Transition Temperature	°C	-116	ASTM E1356
Coefficient of Thermal Expansion	ppm/°C	93	ASTM E831

Product Physical Properties

		Value	Method
Lap Shear Strength	psi	495	ASTM D 1002
Shear Modulus	psi	54	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

No primer required

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.*

Last Revised May 13, 2016.