



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

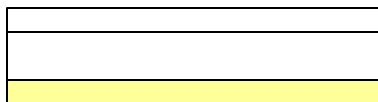
Arlon Product Number 99000W008

PRODUCT DESCRIPTION

Low Outgassing, thermally conductive, electrically insulating, Thermabond®. Bonds with primer.

Design / Construction

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



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

Product Color : White

PHYSICAL PROPERTIES

Silicone Compound Properties		Value	Method
Tensile Strength	psi	300	ASTM D 412
Elongation	%	28	ASTM D 412
Poisson's Ratio	---	~0.5	---
Durometer	SAP	85	ASTM D 2240
Specific Gravity	---	1.7	Arlon SQA-TMS-024
Thermal Conductivity	W/m-K	1.5	ASTM E 1530
Thermal Resistance	°C-in ² /W	0.39	ASTM E 1530
Heat Capacity	J/gK	0.70	E1461-01
Dielectric constant D _k	@ 1 MHz	3.8	IPC TM 650 - 2.5.5.3
Dissipation factor D _f	@ 1 MHz	0.0028	IPC TM 650 - 2.5.5.3
Elastic Modulus	psi	4750	Arlon SQA-TMS-008
Glass Transition Temperature	°C	-116	ASTM E1356
Coefficient of Thermal Expansion	ppm/°C	110	ASTM E831
Product Properties		Value	Method
Outgassing	%TML	0.29	ASTM E595
Outgassing	%CVM	0.07	ASTM E595
Dielectric Strength	volts/mil	950	ASTM D 149
Lap Shear Strength	psi	185	ASTM D 1002
Shear Modulus	psi	65	ASTM D 1002
Total Product Weight	g/m ²	345	Arlon SQA-TMS-025

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 @ 250°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 12, 2016.