



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Product Number 99510N015

PRODUCT DESCRIPTION

15 mil thick Standard Thermabond[®] electrically insulating electronic adhesive.

Design / Construction

Liner: 0.001" FEP
Side 1: Uncured Silicone Rubber
Interleave: 0.003" PTFE



Product Thickness

Overall Thickness:

Value

0.015"

Method

Arlon SQA-TMS-003

Product Color : Light Gray

PHYSICAL PROPERTIES

Silicone Compound Physical Properties

		<u>Value</u>	<u>Method</u>
Tensile Strength	psi	700	Arlon SQA-TMS-008
Elongation	%	550	Arlon SQA-TMS-008
Poisson's Ratio	---	~0.5	---
Durometer	Shore A Points	55	Arlon SQA-TMS-014
Specific Gravity	---	1.47	Arlon SQA-TMS-024
Thermal Conductivity	W/m-K	0.4	Arlon SQA-TMS-022
Dielectric constant D_k	@ 1 MHz	3.4	IPC TM 650-2.5.5.3
Dissipation factor D_f	@ 1 MHz	0.004	IPC TM 650-2.5.5.3
Volume Resistivity	Ω-cm	3.8X1015	Arlon SQA-TMS-046
CTE : 30 - 150°C	ppm/K	220	ASTM E 831
Glass Transition Temp	°C	< -100	Arlon SQA-TMS-055

Product Physical Properties

		<u>Value</u>	<u>Method</u>
Dielectric Strength	volts/mil	949	Arlon SQA-TMS-020
Lap Shear Strength	psi	638	Arlon SQA-TMS-018
Shear Modulus	psi	100	Arlon SQA-TMS-018
Thermal Resistance	°C-in ² /W	1.6	Arlon SQA-TMS-054
Total Product Weight	Oz/yd ²	17.4	Arlon SQA-TMS-025

PROCESSING RECOMMENDATIONS

Product Shelf Life 6 months from DOM @ 70°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 PR-2260 or Lord Chemical Chemlok[®] 607

Recommended Cure Cycle 15 min @ 250°F under pressure

Product Operating Temperature -100°F to 450°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.

*Please verify that any printed hard copy of this datasheet is current by referencing:
<http://www.rogerscorporation.com>*

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