

PRODUCT INFORMATION SHEET

Arlon Product Number

99A50R007

PRODUCT DESCRIPTION

Secure® 1500U: Thermally Conductive Structural Adhesive.

Design / Construction

Interleave: 0.001" FEP
Product: Uncured Silicone Rubber
Carrier: 0.003" PTFE coated fiberglass

Product Thickness

	<u>Value</u>	<u>Method</u>
Product:	0.007"	Arlon SQA-TMS-003
Overall Thickness:	0.007"	Arlon SQA-TMS-003

Product Color :

Mauve

TYPICAL PROPERTIES

Silicone Properties

		<u>Value</u>	<u>Method</u>
Durometer	Shore A	85	Arlon SQA-TMS-014
Specific Gravity	---	2.5	Arlon SQA-TMS-024
Thermal Conductivity @ 100°C	W/mK	1.3	Arlon SQA-TMS-022
Glass Transition Temperature	°F	-180	Arlon SQA-TMS-055

Carrier Properties

	<u>Value</u>	<u>Method</u>
Thickness	0.003"	Arlon SQA-TMS-003

Product Properties

		<u>Value</u>	<u>Method</u>
Dielectric Strength	volts/mil	1005	Arlon SQA-TMS-020
Lap Shear Strength	psi	653	Arlon SQA-TMS-018
Flame Resistance	UL94	V-0	Arlon SQA-TMS-019
Thermal Impedance @ 40PSI	in²*C/W	0.28	Arlon SQA-TMS-054
Total Product Weight	oz./yd²	13.1	Arlon SQA-TMS-025

SHIPPING AND SHELF LIFE

Shipping Recommendation Arlon recommends refrigerated shipment for this product.

Product Shelf Life 3 months from DOM at 45°F +/- 3°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

Recommended Primers No primer required.

Recommended Cure Cycle 15 min @ 250°F and 15 to 50 PSI

Product Operating Temperature -150 to 400°F

UL INFORMATION

UL Recognition : E54153

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:

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