



Elastomeric Material Solutions Division
 1100 Governor Lea Road, Bear, DE 19701
 (302) 834-2100 (302) 834-4021 (Fax)
www.rogerscorp.com/arlon

PRODUCT INFORMATION SHEET

ARLON® Product Number 21A51R0075

PRODUCT DESCRIPTION

Secure® 1500KT2: Thermally Conductive, Kapton® Reinforced, Thermoset, Structural Adhesive.

Design / Construction

Interleave: 0.0015" Polyethylene
Side 1: Uncured Silicone Rubber
Substrate: Kapton® MT
Side 2: Uncured Silicone Rubber
Carrier: 0.002" PET



Rubber Add-On Thickness

	Value	Method
Side 1:	0.0025"	Arlon SQA-TMS-003
Side 2:	0.0040"	Arlon SQA-TMS-003
Overall Thickness:	0.0075"	Arlon SQA-TMS-003

Product Color: Mauve

TYPICAL PROPERTIES

Silicone Properties		Value	Method
Glass Transition Temperature	°F	-180°	Arlon SQA-TMS-055
Thermal Conductivity @100°C	W/mK	1.5	Arlon SQA-TMS-022
Durometer	Shore A Points	77	Arlon SQA-TMS-014
Specific Gravity	---	2.5	Arlon SQA-TMS-024

Substrate Properties

	Value	Method
Thickness	0.001"	Arlon SQA-TMS-003
Color	Gold	N/A

Product Properties

		Value	Method
Dielectric Strength	volts/mil	1348	Arlon SQA-TMS-020
Lap Shear Strength	psi	693	Arlon SQA-TMS-018
Torque Strength	kg-cm	12.8	Arlon SQA-TMS-065
Flame Resistance	UL94	V-0	Arlon SQA-TMS-019
Thermal Impedance @ 380PSI	In ² -C/W	0.29	Arlon SQA-TMS-054
Total Product Weight	oz/yd ²	13.2	Arlon SQA-TMS-025

SHIPPING AND SHELF LIFE

Shipping Recommendation Rogers recommends refrigerated shipment for this product

Product Shelf Life 6 months from date of manufacture @ 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 minutes @ 250°F and 15 to 50 psi
Product Operating Temperature	-150°F to 400°F

UL INFORMATION

UL Recognition: E54153

- The data presented in this document represent typical values for the production material.
- Typical values should not be used for specification limits.
- Please verify that any printed hard copy of this datasheet is current by referencing: www.rogerscorp.com/arlon

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