



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Product Number

99A50R008

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

Product:
Overall Thickness:

Value

0.008"
 0.008"

Method

Arlon SQA-TMS-003
 Arlon SQA-TMS-003

Product Color :

Mauve

TYPICAL PROPERTIES

Silicone Properties

Durometer Shore A
Specific Gravity ---
Thermal Conductivity @ 100°C W/mK
Glass Transition Temperature °F

Value

85
 2.5
 1.3
 -180

Method

Arlon SQA-TMS-014
 Arlon SQA-TMS-024
 Arlon SQA-TMS-022
 Arlon SQA-TMS-055

Carrier Properties

Thickness

Value

0.003"

Method

Arlon SQA-TMS-003

Product Properties

Dielectric Strength volts/mil
Lap Shear Strength psi
Flame Resistance UL94
Thermal Impedance @ 40PSI in²*C/W
Total Product Weight oz./yd²

Value

1214
 741
 V-0
 0.28
 15.0

Method

Arlon SQA-TMS-020
 Arlon SQA-TMS-018
 Arlon SQA-TMS-019
 Arlon SQA-TMS-054
 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: <http://www.rogerscorporation.com>