

**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** 48A51R016**PRODUCT DESCRIPTION****Secure® 1500FG:** Thermally Conductive Structural Adhesive**Design / Construction****Interleave:** 0.0015" Polyethylene**Side 1:** Uncured Silicone Rubber**Substrate:** Style 1080 Fiberglass**Side 2:** Uncured Silicone Rubber**Carrier:** 0.002" PET**Rubber Add-On Thickness****Side 1:****Value**

0.0065"

Method

Arlon SQA-TMS-003

Side 2:

0.0065"

Arlon SQA-TMS-003

Overall Thickness:

0.0160"

Arlon SQA-TMS-003

Product Color: Mauve**TYPICAL PROPERTIES****Silicone Properties****Glass Transition Temperature**

°F

Value

-180°

Method

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**Thickness****Value**

0.003"

Method

Arlon SQA-TMS-003

Color

White

N/A

Product Properties**Dielectric Strength**

volts/mil

987

Arlon SQA-TMS-020

Lap Shear Strength

psi

636

Arlon SQA-TMS-018

Torque Strength

kg·cm

28.5

Arlon SQA-TMS-065

Flame Resistance

UL94

V-0

Arlon SQA-TMS-019

Thermal Impedance @ 380PSIIn²·C/W

0.60

Arlon SQA-TMS-054

Total Product Weightoz/yd²

29.1

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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