

**PRODUCT INFORMATION SHEET**


**Arlon Product Number**

48A51R007

**PRODUCT DESCRIPTION**

**Secure® 1500FG:** Thermally Conductive Structural Adhesive.

**Design / Construction**

**Interleave:** 0.001" FEP  
**Side 1:** Uncured Silicone Rubber  
**Substrate:** Style 1080 Fiberglass   
**Side 2:** Uncured Silicone Rubber  
**Carrier:** 0.005" PTFE coated fiberglass

<u>Product Thickness</u>	<u>Value</u>	<u>Method</u>
<b>Side 1:</b>	0.002"	Arlon SQA-TMS-003
<b>Side 2:</b>	0.002	Arlon SQA-TMS-003
<b>Overall Thickness:</b>	0.007"	Arlon SQA-TMS-003

**Product Color :** Mauve

**TYPICAL PROPERTIES**

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

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

<u>Product Properties</u>	<u>Value</u>	<u>Method</u>
<b>Dielectric Strength</b> volts/mil	1228	Arlon SQA-TMS-020
<b>Lap Shear Strength</b> psi	613	Arlon SQA-TMS-018
<b>Torque Strength</b> kg-cm	24.6	Arlon SQA-TMS-065
<b>Flame Resistance</b> UL94	V-0	Arlon SQA-TMS-019
<b>Thermal Impedance @ 40PSI</b> in <sup>2</sup> ·C/W	0.31	Arlon SQA-TMS-054
<b>Total Product Weight</b> oz./yd <sup>2</sup>	9.8	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:*