

# ARLON FLEX HEATER SUBSTRATE SPECIFICATION

**Item Number:** 51141R020  
**Description:** Flexible Heater Substrate  
 Silicone Rubber Calendered onto Fiberglass

Design / Construction



Substrate: 51 Plain Weave Fiberglass (8 mil nominal)  
 Silicone Rubber Compound: 14 Compound  
 Color: Red

Interleave (Top): LDPE  
 Interleave (Bottom):

	<u>Rubber Add-on</u>	<u>Tolerance</u>	<u>Cure State</u>	<u>Method</u>
Side 1:	6.0 mils	4.0 mils min.	Uncured	Arlon SQA-TMS-003
Side 2 (First Pass):	6.0 mils	4.0 mils min.	Uncured	Arlon SQA-TMS-003
Side 2 (Second Pass):	-	-	-	Arlon SQA-TMS-003
Overall Thickness:	15.0 mils	+/- 1.5 mils	-	Arlon SQA-TMS-003

Dielectric Strength (kV): 6.0 kV minimum  
 Ply Adhesion (lb/in): 5.0 lbs/in minimum  
 Method: Arlon SQA-TMS-020  
 Method: Arlon-SQA-TMS-011

**UL Information (if applicable):**

UL File #: E54153  
 UL 746 RTI (Elec): 200°C  
 UL 746 RTI (Str): 200°C  
 HWI: 4  
 HAI: 1  
 CTI: 0  
 HVTR: 0

General

Shelf Life: 6 months from date of manufacture @ 70°F  
 Recommended Cure Cycle: 15 minutes @ 250°F & 50 psi  
 Recommended Postcure Cycle: 400°F for 2 hours  
 Product Operating Temperature: -70°F to 428°F



Arlon Silicones Technology

**High Performance Foams**

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