

# ARLON FLEX HEATER SUBSTRATE SPECIFICATION

**Item Number:** 55271R030  
**Description:** Flexible Heater Substrate  
Silicone Rubber Calendered onto Fiberglass

## Design / Construction



Substrate: 55 Plain Weave Fiberglass (16 mil nominal)  
Silicone Rubber Compound: 27 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:	7.0 mils	4.0 mils min.	Uncured	Arlon SQA-TMS-003
Side 2 (First Pass):	7.0 mils	4.0 mils min.	Uncured	Arlon SQA-TMS-003
Side 2 (Second Pass):	-	-	-	Arlon SQA-TMS-003
Overall Thickness:	30.0 mils	+/- 2.0 mils	-	Arlon SQA-TMS-003

Dielectric Strength (kV): 9.0 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): 220°C  
UL 746 RTI (Str): 220°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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