

ARLON® FLEX HEATER SUBSTRATE SPECIFICATION

Item Number: 51276R020
Description: Flexible Heater Substrate
Silicone Rubber Calendered onto Fiberglass

Design / Construction



Substrate: 51 Plain Weave Fiberglass (8 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:	3.0 mils	nominal	Cured	Arlon SQA-TMS-003
Side 2 (First Pass):	9.0 mils	7.0 mils min.	Uncured	Arlon SQA-TMS-003
Side 2 (Second Pass):	-	-	-	Arlon SQA-TMS-003
Overall Thickness:	20.0 mils	+/- 2.0 mils	-	Arlon SQA-TMS-003

Dielectric Strength (kV): 8.0 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

1100 Governor Lea Road | Bear, DE 19701-1998 USA
+1-302-834-2100