

ARLON® FLEX HEATER SUBSTRATE SPECIFICATION

Item Number: 44146R010
Description: Flexible Heater Substrate
 Silicone Rubber Calendered onto Fiberglass

Design / Construction



Substrate: 44 Plain Weave Fiberglass (5 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:	2.5 mils	nominal	Cured	Arlon SQA-TMS-003
Side 2 (First Pass):	2.5 mils	1.0 mils min.	Uncured	Arlon SQA-TMS-003
Side 2 (Second Pass):	-	-	-	Arlon SQA-TMS-003
Overall Thickness:	10.0 mils	+/- 1.0 mils	-	Arlon SQA-TMS-003

Dielectric Strength (kV): 4.0 kV minimum Method: Arlon SQA-TMS-020
 Ply Adhesion (lb/in): 4.0 lbs/in minimum 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

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