

ARLON® FLEX HEATER SUBSTRATE SPECIFICATION

Item Number: 44276R010
Description: Flexible Heater Substrate
Silicone Rubber Calendered onto Fiberglass

Design / Construction



Substrate: 44 Plain Weave Fiberglass (5 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: | 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
Ply Adhesion (lb/in): 4.0 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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