

# ARLON® FLEX HEATER SUBSTRATE SPECIFICATION

**Item Number:** 55100R030  
**Description:** Flexible Heater Substrate  
 Silicone Rubber Calendered onto Fiberglass

Design / Construction



Substrate: 55 Plain Weave Fiberglass (16 mil nominal)  
 Silicone Rubber Compound: 10 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:               | 14.0 mils            | nominal          | Uncured           | Arlon SQA-TMS-003 |
| Side 2 (First Pass):  | -                    | -                | -                 | Arlon SQA-TMS-003 |
| Side 2 (Second Pass): | -                    | -                | -                 | Arlon SQA-TMS-003 |
| Overall Thickness:    | 30.0 mils            | +/- 3.0 mils     | -                 | Arlon SQA-TMS-003 |

Dielectric Strength (kV): 9.0 kV minimum      Method: Arlon SQA-TMS-020  
 Ply Adhesion (lb/in): 5.0 lbs/in minimum      Method: Arlon-SQA-TMS-011

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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