



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Part Number 44250R011
Customer/Part Number

| PRODUCT INFORMATION | | |
|---|--|---------------------------------------|
| Design / Construction | Value | Tolerance |
| Side 1: Uncured silicone rubber Side 2: N/A | | |
| Rubber Add-On Thickness Side 1: 0.006" Side 2: N/A Overall Thickness: 0.011" | | + 0.002", - 0.001" N/A ± 0.001" |
| Dielectric Strength, Volts | 440 | Minimum |
| Bond Strength, lb/in | 5.0 | Minimum |
| Mullen Burst Strength, psi | N/A | N/A |
| Thermal Impedance, °C/W | N/A | N/A |
| Total Product Weight, oz/yd ² | 11.25 | ± 1.0 |
| Interleave | 0.0015" polyethylene | |
| Product Color | Red | |
| Product Shelf Life | 6 months from date of manufacture @ 75°F <i>Note: Shelf life is defined as the duration of time for which the product will meet the physical requirements outlined below. It does not guarantee the product's usefulness in all applications.</i> | |
| Recommended Cure Cycle | 15 minutes @ 350°F and 50 psi | |
| Recommended Postcure Cycle | 400°F for 2 hours | |
| Product Operating Temperature | -70°F to 450°F | |
| FLAME RETARDANCE INFORMATION | | |
| UL Recognition | N/A | |
| Flame Test Method | FTMS 191A; Method 5903 | |
| Flame Test Information | Value | Tolerance |
| Flame and Glow Time, seconds | 15 | Maximum |
| Char Length, Inches | 3 | Maximum |
| COMPOUND INFORMATION | | |
| Physical Property | Value | Tolerance |
| Tensile Strength, psi | 1000 | ± 100 |
| Elongation, % | 250 | ± 25 |
| Tear Strength, lb/in | N/A | N/A |
| Compression Set, % | N/A | N/A |
| Thermal Conductivity, W/m·K | N/A | N/A |
| Durometer, Shore A Points | 60 | ± 5 |
| SUBSTRATE INFORMATION | | |
| Substrate Type | Prime Coated 1165 Fiberglass | |
| Physical Property | Value | Tolerance |
| Thickness, in | 0.005" | Nominal |
| Uncoated Fabric Break Strength, lb/in | | |
| Warp Direction: | 125 | Nominal |
| Fill Direction: | 160 | Nominal |

The data presented in this document represents typical values for the production material.
This data should not be used to write, or in place of, material specifications.

