



Elastomeric Material Solutions Division
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| PRODUCT INFORMATION SHEET | |
|-----------------------------|-----------|
| Arlon Product Number | 51589R016 |

PRODUCT DESCRIPTION

Design / Construction

Interleave: 0.003" polyethylene
Layer 2: Uncured Silicone Rubber
Layer 1: Cured Silicone Rubber
Substrate Style 7628 fiberglass



| Rubber Add-On Thickness | Layer 1: | Value | Method |
|--------------------------------|---------------------------|--------------|-------------------|
| | Layer 1: | 0.0025" | Arlon SQA-TMS-003 |
| | Layer 2: | 0.0055" | Arlon SQA-TMS-003 |
| | Overall Thickness: | 0.0160" | Arlon SQA-TMS-003 |

Product Color : Red

TYPICAL PROPERTIES

| Silicone Properties | Value | Method |
|-----------------------------------|--------------|-------------------|
| Tensile Strength psi | 950 | Arlon SQA-TMS-008 |
| Elongation % | 620 | Arlon SQA-TMS-008 |
| Tear Strength (Die B) ppiw | 150 | Arlon SQA-TMS-029 |
| Durometer Shore A Points | 37 | Arlon SQA-TMS-014 |
| Specific Gravity --- | 1.34 | Arlon SQA-TMS-024 |

| Substrate Properties | Value | Method |
|-----------------------------|--------------|-------------------|
| Thickness | 0.008" | Arlon SQA-TMS-003 |
| Color | Red | N/A |

| Product Properties | Value | Method |
|--|--------------|-------------------|
| Dielectric Strength volts/mil | 791 | Arlon SQA-TMS-020 |
| Bond Strength (S2 to S2) lb/in | 9.2 | Arlon SQA-TMS-011 |
| Total Product Weight oz/yd ² | 18.0 | Arlon SQA-TMS-025 |

SHELF LIFE & PROCESSING RECOMMENDATIONS

| | |
|--|--|
| Product Shelf Life | 6 months from date of manufacture @ 70°F |
| <i>Note: Shelf life is defined as the duration of time for which the product will meet the physical characteristics outlined on this page. 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 428°F |

UL INFORMATION

| | |
|-------------------------|-----------------------------------|
| UL Recognition : | UL 94 HB at 200°C per card E54153 |
|-------------------------|-----------------------------------|

The data presented in this document represent typical values for the production material. Typical values should not be used for specification limits. Please verify that any printed hard copy of this datasheet is current by referencing: www.rogerscorp.com/arlon

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