



SILICONE TECHNOLOGIES DIVISION
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PRODUCT INFORMATION SHEET

Arlon Product Number 51581R028

PRODUCT DESCRIPTION

Design / Construction

Interleave 1: 3 mil PE
Side 1: Uncured silicone rubber
Substrate: 7628 Style Fiberglass
Side 2: Uncured silicone rubber
Interleave 2: 3 mil PE



| <u>Rubber Add-On Thickness</u> | <u>Value</u> | <u>Method</u> |
|--------------------------------|--------------|-------------------|
| Side 1: | 0.010" | Arlon SQA-TMS-003 |
| Side 2: | 0.010" | Arlon SQA-TMS-003 |
| Overall Thickness: | 0.028" | Arlon SQA-TMS-003 |

Product Color : Red

PHYSICAL PROPERTIES

| <u>Silicone Compound Properties</u> | <u>Value</u> | <u>Method</u> |
|-------------------------------------|--------------|-------------------|
| Tensile Strength psi | 950 | ASTM D 412 |
| Elongation % | 620 | ASTM D 412 |
| Tear Strength lb/in | 150 | ASTM D 624 |
| Durometer Shore A Points | 37 | ASTM D 2240 |
| Specific Gravity --- | 1.34 | Arlon SQA-TMS-024 |

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

| <u>Product Physical Properties</u> | <u>Value</u> | <u>Method</u> |
|--|--------------|-------------------|
| Dielectric Strength volts/mil | 939 | ASTM D 149 |
| Bond Strength lb/in | 21.5 | Arlon SQA-TMS-011 |
| Total Product Weight oz/yd ² | 30.25 | Arlon SQA-TMS-025 |

SHELF LIFE & PROCESSING RECOMMENDATIONS

Product Shelf Life 6 months from date of manufacture @70°F
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.

Recommended Cure Cycle 15 minutes @350°F; 50 PSI

Recommended Postcure Cycle 400°F for 2 hours

Product Operating Temperature -70°F to 450°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.

The data should not be used to write, or in place of, material specifications.

Please verify that any printed hard copy of this datasheet is current by referencing:

<http://www.arlon-std.com/Library/datasheets.htm>

Last Revised March 12, 2009