



Arlon Silicones Technology

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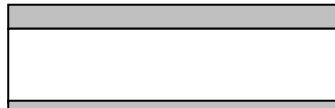
PRODUCT INFORMATION SHEET

Arlon Product Number 55146XA028

PRODUCT DESCRIPTION

Design / Construction

Interleave: 0.003" PE
Side 2: Uncured Silicone Rubber
Substrate: Style 162 fiberglass
Side 1: Cured Silicone Rubber



Rubber Add-On Thickness

| | Value | Method |
|---------------------------|---------|-------------------|
| Side 1: | 0.0040" | Arlon SQA-TMS-003 |
| Side 2: | 0.0065" | Arlon SQA-TMS-003 |
| Overall Thickness: | 0.0295" | Arlon SQA-TMS-003 |

Product Color : Gray

PHYSICAL PROPERTIES

Silicone Properties

| | Value | Method |
|---------------------------------|-------|-------------------|
| Tensile Strength psi | 800 | ASTM D 412 |
| Elongation % | 225 | ASTM D 412 |
| Tear Strength ppiw | 90 | ASTM D624 |
| Durometer Shore A Points | 60 | ASTM D 2240 |
| Specific Gravity --- | 1.35 | Arlon SQA-TMS-024 |

Substrate Properties

| | Value | Method |
|------------------|--------|-------------------|
| Thickness | 19 mil | Arlon SQA-TMS-003 |

Product Properties

| | Value | Method |
|--|-------|-------------------|
| Dielectric Strength volts/mil | 617 | ASTM D 149 |
| Bond Strength (S2 to S2) lb/in | 7.4 | Arlon SQA-TMS-011 |
| Total Product Weight oz/yd ² | 27.8 | Arlon SQA-TMS-025 |

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 @250°F; 50 psi

Recommended Postcure Cycle 400°F for 2 hours

Product Operating Temperature -70°F to 450°F

UL Recognition

UL Recognition : E54153 (200/200°C RTI)

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.

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<http://www.rogerscorporation.com/Library/datasheets.htm>

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