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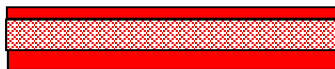
**PRODUCT INFORMATION SHEET**

**ARLON® Product Number** 51106R015

**PRODUCT DESCRIPTION**

**Design / Construction**

**Interleave:** 0.0025" Polyethylene  
**Side 1:** Cured Silicone Rubber  
**Substrate:** Style 7628 Fiberglass  
**Side 2:** Uncured Silicone Rubber  
**Interleave:** 0.0025" Polyethylene



**Rubber Add-On Thickness**

|                           | <b>Value</b> | <b>Method</b>     |
|---------------------------|--------------|-------------------|
| <b>Side 1:</b>            | 0.003"       | Arlon SQA-TMS-003 |
| <b>Side 2:</b>            | 0.0055"      | Arlon SQA-TMS-003 |
| <b>Overall Thickness:</b> | 0.0165"      | Arlon SQA-TMS-003 |

**Product Color :** Red

**TYPICAL PROPERTIES**

**Silicone Properties**

|   | <b>Value</b>         | <b>Method</b>     |
|---|----------------------|-------------------|
| <b>Tensile Strength</b> psi   | 1070                 | Arlon SQA-TMS-008 |
| <b>Elongation</b> %   | 300                  | Arlon SQA-TMS-008 |
| <b>Tear Strength (Die B)</b> lb./in.  | 90                   | Arlon SQA-TMS-029 |
| <b>Durometer</b> Shore A Points   | 60                   | Arlon SQA-TMS-014 |
| <b>Specific Gravity</b> ---   | 1.35                 | Arlon SQA-TMS-024 |
| <b>Coefficient of Thermal Expansion (30°C -&gt; 220°C)</b> °C <sup>-1</sup> | 285x10 <sup>-6</sup> | ASTM E 831        |
| <b>Thermal Conductivity (150°C)</b> W/mK                                    | 0.26                 | Arlon SQA-TMS-022 |

**Substrate Properties**

|                  | <b>Value</b> | <b>Method</b>     |
|------------------|--------------|-------------------|
| <b>Thickness</b> | 0.008"       | Arlon SQA-TMS-003 |
| <b>Color</b>     | Red          | N/A               |

**Product Properties**

|   | <b>Value</b> | <b>Method</b>     |
|---|--------------|-------------------|
| <b>Dielectric Strength</b> volts/mil            | 804          | Arlon SQA-TMS-020 |
| <b>Bond Strength (S1 to S2)</b> lb./in          | 9.4          | Arlon SQA-TMS-011 |
| <b>Total Product Weight</b> oz./yd <sup>2</sup> | 17.6         | 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 @ 250°F and 50 psi

**Recommended Post-cure Cycle** 400°F for 2 hours

**Product Operating Temperature** -70°F to 428°F

The data presented in this document represents 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](http://www.rogerscorp.com/arlon)

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