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| PRODUCT INFORMATION SHEET    |             |
|------------------------------|-------------|
| <b>ARLON® Product Number</b> | LW401Bxx-M1 |

**PRODUCT DESCRIPTION**

1.0" wide, 0.040" thick, black, triangular cross-section, silicone self-fusing tape.  
 Product is supplied in various yard-long roll lengths as indicated by the xx characters in the part number.

Meets Commercial Item Description A-A-59163 (supersedes US Military Specification MIL-I-46852C) except for packaging. The following tests are conducted with sampling dictated by MIL-I-46852C: Thickness, Width, Bond Strength, Tensile Strength, Elongation, Dielectric Strength, and Water Absorption

**Design / Construction**

**Rubber:** Cured self-fusing silicone rubber  
**Cross-Section:** 1.0" Wide Triangular  
**Interleave:** 0.005" Polyester



| <u>Rubber Thickness</u> | <u>Value</u> | <u>Method</u>     |
|-------------------------|--------------|-------------------|
| <b>Rubber:</b>          | 0.040"       | Arlon SQA-TMS-012 |

**Product Color :** Black tape with a green guideline

**TYPICAL PROPERTIES**

| <u>Product Properties</u>                           | <u>Value</u> | <u>Method</u>     |
|---|--------------|-------------------|
| <b>Tensile Strength</b> psi                         | 1264         | Arlon SQA-TMS-009 |
| <b>Elongation</b> %                                 | 541          | Arlon SQA-TMS-009 |
| <b>Durometer (Silicone Compound) Shore A Points</b> | 55           | Arlon SQA-TMS-014 |
| <b>Specific Gravity (Silicone Compound)</b> ---     | 1.20         | Arlon SQA-TMS-024 |
| <b>Dielectric Strength</b> volts/mil                | 497          | Arlon SQA-TMS-020 |
| <b>Bond Strength</b> lb./in.                        | 3.8          | Arlon SQA-TMS-015 |
| <b>Water Absorption</b> %                           | 0.0          | Arlon SQA-TMS-016 |

**SHELF LIFE AND RECOMENDED OPERATING TEMPERATURE**

**Product Shelf Life** 12 months from DOM @ 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.

**Product Operating Temperature** -60°F to +400°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/aron](http://www.rogerscorp.com/aron)

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