



Elastomeric Material Solutions Division
 1100 Governor Lea Road, Bear, DE 19701
 (302) 834-2100 (302) 834-4021 (Fax)
www.rogerscorp.com/aron

PRODUCT INFORMATION SHEET

ARLON® Product Number RBLW401Rxx-P1

PRODUCT DESCRIPTION

1.0" wide, 0.040" thick, red, 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.
RB tape is designed for high instantaneous adhesion when brought into contact under light pressure.

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: 0.0025" Polyethylene



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

Product Color : Red tape with a green guideline

TYPICAL PROPERTIES

| <u>Product Properties</u> | <u>Value</u> | <u>Method</u> |
|---|--------------|-------------------|
| Tensile Strength lb/in | 1450 | Arlon SQA-TMS-009 |
| Elongation % | 473 | Arlon SQA-TMS-009 |
| Durometer (Silicone Compound) Shore A Points | 60 | Arlon SQA-TMS-014 |
| Specific Gravity (Silicone Compound) --- | 1.20 | Arlon SQA-TMS-024 |
| Dielectric Strength volts/mil | 522 | Arlon SQA-TMS-020 |
| Bond Strength lb/in | 3.1 | Arlon SQA-TMS-015 |
| Water Absorption % | 1.0 | Arlon SQA-TMS-016 |

SHELF LIFE AND RECOMMENDED OPERATING TEMPERATURE

Product Shelf Life 24 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

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