

## PRODUCT INFORMATION SHEET

**Arlon Product Number** LW50125Rxx-P1

### PRODUCT DESCRIPTION

1.25 inch wide, 0.050" 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.

Meets U.S. Military Specification A-A-59163 (supersedes Mil-I-46852C) except for packaging and sampling. The following tests are conducted on one roll from each lot of tape per 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:** 1.25" wide triangular  
**Interleave:** 2.5 mil polyethylene



#### Rubber Thickness

**Rubber:**

#### Value

0.050"

#### Method

Arlon SQA-TMS-012

**Product Color :** Red tape with a yellow guideline

### TYPICAL PROPERTIES

#### Product Properties

		<u>Value</u>	<u>Method</u>
<b>Tensile Strength</b>	psi	1415	Arlon SQA-TMS-048
<b>Elongation</b>	%	453	Arlon SQA-TMS-048
<b>Durometer</b>	Shore A Points	56	Arlon SQA-TMS-014
<b>Specific Gravity</b>	---	1.17	Arlon SQA-TMS-024
<b>Dielectric Strength</b>	volts/mil	398	Arlon SQA-TMS-020
<b>Bond Strength</b>	lb/in	3.0	Arlon SQA-TMS-015
<b>Water Absorption</b>	%	0.8	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 to +400°F

*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>*