



Arlon Silicones Technology

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## PRODUCT INFORMATION SHEET

**Arlon Product Number** LW201R ## - P1  
**Customer Part Number**

### PRODUCT DESCRIPTION

1 inch wide, 20 mil thick, Red, Triangular cross-section self-fusing silicone tape.  
Product is supplied in various roll lengths. ## in product number indicates roll length in yards.

Meets U.S. Military Specification A-A-59163 (supercedes Mil-I-46852C) except for sampling level and packaging. The following tests are conducted on one roll for each lot of tape: Thickness, Width, Bond Strength, Tensile Strength, Elongation, Dielectric Strength, and Water Absorption.

#### Design / Construction

**Rubber:** Cured self-fusing silicone rubber  
**Cross-Section:** 1" wide Triangular  
**Interleave:** 3 mil PE



<u>Rubber Thickness</u>	<u>Value</u>	<u>Method</u>
<b>Rubber:</b>	20	Arlon SQA-TMS-003

**Product Color :** Red

### PHYSICAL PROPERTIES

<u>Silicone Compound Physical Properties</u>	<u>Value</u>	<u>Method</u>
<b>Tensile Strength</b> psi	1150	ASTM D 412
<b>Elongation</b> %	400	ASTM D 412
<b>Durometer</b> Shore A Points	55	ASTM D 2240
<b>Specific Gravity</b> ---	1.15	Arlon SQA-TMS-024

<u>Product Physical Properties</u>	<u>Value</u>	<u>Method</u>
<b>Dielectric Strength</b> volts/mil	550	ASTM D 149
<b>Bond Strength</b> lb/in	2.8	MIL-I-46852C
<b>Water absorption</b> %	2.0	MIL-I-46852C

### PROCESSING RECOMMENDATIONS

**Product Shelf Life** 12 months from DOM @ 75°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.*

Last Revised May 13, 2016.