



Arlon Silicones Technology

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## PRODUCT INFORMATION SHEET

**Arlon Product Number** 920-10R ## -P2  
**Customer Part Number**

### PRODUCT DESCRIPTION

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

Certified to meet all requirements of U.S. Military Specification A-A-59163 (supercedes 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

**Interleave:** 3 mil PE

**Rubber:** Cured self-fusing silicone rubber

**Cross-Section:** 1" wide Rectangular



#### Rubber Thickness

**Rubber:**

#### Value

20 mil

#### Method

Arlon SQA-TMS-003

**Product Color :** Red

### PHYSICAL PROPERTIES

#### Silicone Compound Physical Properties

	<u>Value</u>	<u>Method</u>
<b>Tensile Strength</b> psi	1150	ASTM D 412
<b>Elongation</b> %	430	ASTM D 412
<b>Durometer</b> Shore A Points	55	ASTM D 2240
<b>Specific Gravity</b> ---	1.17	Arlon SQA-TMS-024

#### Product Physical Properties

	<u>Value</u>	<u>Method</u>
<b>Dielectric Strength</b> volts/mil	750	ASTM D 149
<b>Bond Strength</b> lb/in	3.1	MIL-I-46852C
<b>Water absorption</b> %	2.8	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 12, 2016.