



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Product Number 920-10Rxx-P1

PRODUCT DESCRIPTION

1.0 inch wide, 0.020" thick, red, rectangular 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 Rectangular
Interleave: 2.5 mil polyethylene



Rubber Thickness

Rubber:

Value

0.020"

Method

Arlon SQA-TMS-012

Product Color : Red

TYPICAL PROPERTIES

Product Properties

		<u>Value</u>	<u>Method</u>
Tensile Strength	psi	1371	Arlon SQA-TMS-048
Elongation	%	542	Arlon SQA-TMS-048
Durometer	Shore A Points	56	Arlon SQA-TMS-014
Specific Gravity	---	1.17	Arlon SQA-TMS-024
Dielectric Strength	volts/mil	807	Arlon SQA-TMS-020
Bond Strength	lb/in	3.4	Arlon SQA-TMS-015
Water Absorption	%	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 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.
Please verify that any printed hard copy of this datasheet is current by referencing:
<http://www.rogerscorporation.com>*

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