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PRODUCT INFORMATION SHEET

ARLON® Product Number 920-10CxxFR-P1

PRODUCT DESCRIPTION

1.00" wide, 0.020" thick, brown, 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:	1.00" Wide Rectangular
Interleave:	0.0025" Polyethylene

Rubber Thickness	**Value**	**Method**
Rubber:	0.020"	Arlon SQA-TMS-012

Product Color : **Brown**

TYPICAL PROPERTIES

Product Properties		**Value**	**Method**
Tensile Strength	**psi**	1132	Arlon SQA-TMS-009
Elongation	**%**	527	Arlon SQA-TMS-009
Durometer	**Shore A Points**	55	Arlon SQA-TMS-014
Specific Gravity	**---**	1.20	Arlon SQA-TMS-024
Dielectric Strength	**volts/mil**	632	Arlon SQA-TMS-020
Bond Strength	**lb./in.**	3.1	Arlon SQA-TMS-015
Water Absorption	**%**	0.4	Arlon SQA-TMS-016
Flame Resistance*	**UL94**	V-0	Arlon SQA-TMS-019
	Flame and Glow (sec.)	3.4	FAR 25.853 App.F, P.1, .Aii
	Char length (in.)	0.88	FAR 25.853 App.F, P.1, .Aii

**Product is designed to meet the UL94V-0 flame resistance requirements but is not recognized by Underwriters Laboratories. Product is designed to meet the FAR 25.853 App.F, P.1, .Aii flame resistance requirements but is not recognized by an FAA test Laboratory.*

SHELF LIFE AND RECOMMENDED OPERATING TEMPERATURE

Product Shelf Life 12 months from date of manufacture @ 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 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/arlon

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