



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Product Number

51366X015

PRODUCT DESCRIPTION

Silquench™ Flame Retardant Substrate

Design / Construction

Interleave :	1.5 mil PE		
Side 1:	Cured Silicone Rubber		
Substrate	Style 7628 fiberglass		
Side 2:	Uncured silicone rubber		
Rubber Add-On Thickness		Value	Method
Side 1:		0.0025"	Arlon SQA-TMS-003
Side 2:		0.0055"	Arlon SQA-TMS-003
	Overall Thickness:	0.0160"	Arlon SQA-TMS-003
Product Color :	Gray		

PHYSICAL PROPERTIES

Silicone Properties		Value	Method
Tensile Strength	psi	1000	ASTM D 412
Elongation	%	275	ASTM D 412
Durometer	Shore A Points	66	ASTM D 2240
Specific Gravity	---	1.47	Arlon SQA-TMS-024
Substrate Properties		Value	Method
Thickness		0.008"	Arlon SQA-TMS-003
Color		White	N/A
Product Properties		Value	Method
Dielectric Strength	Volts/mill	729	ASTM D 149
Bond Strength (s2 to s2)	lb/in	3.0	Arlon SQA-TMS-011
Total Product Weight	oz/yd ²	19.6	Arlon SQA-TMS-025

SHELF LIFE AND PROCESSING CONDITIONS

Product Shelf Life 6 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.

Recommended Cure Cycle 15 minutes @ 250°F and 50 PSI

Recommended Postcure Cycle N/A

Product Operating Temperature -70°F to 400°F

UL Recognition and Flame resistance

UL Recognition : N/A

Flame Resistance Product is designed to meet Title 14 CFR 25.856(a) Appendix F, Part VI (amdt. 25-111) flame resistance requirements but is not recognized by an FAA test Laboratory

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/Library/datasheets.htm>

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