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PRODUCT INFORMATION SHEET

ARLON® Product Number I51576R015

PRODUCT DESCRIPTION

Design / Construction

Side 2 Layer 2: Alloy 600 Foil
Side 2 Layer 1: Cured Silicone Rubber
Substrate: Style 7628 fiberglass
Side 1: Cured Silicone Rubber
Interleave: 0.003" polyethylene



Rubber Add-On Thickness	Value	Method
Side 1:	0.0020"	Arlon SQA-TMS-003
Side 2, Layer 1:	0.0055"	Arlon SQA-TMS-003
Side 2, Layer 2:	0.0010"	Arlon SQA-TMS-003
Overall Thickness:	0.0165"	Arlon SQA-TMS-003

Product Color: Red

TYPICAL PROPERTIES

Silicone Properties	Value	Method
Tensile Strength psi	900	Arlon SQA-TMS-008
Elongation %	400	Arlon SQA-TMS-008
Durometer Shore A Points	45	Arlon SQA-TMS-014
Specific Gravity ---	1.15	Arlon SQA-TMS-024

Substrate Properties	Value	Method
Thickness in.	0.008	Arlon SQA-TMS-003
Dielectric Strength volts/mil	400	Arlon SQA-TMS-020
Bond Strength to Alloy 600 lb/in	7.0	Arlon SQA-TMS-011
UL Recognition N/A	UL E54153	--
UL Flame Class N/A	UL 94HB	--
Color	Red	N/A

Alloy 600 Properties (Annealed)	Value	Condition
Electrical Resistivity μΩ-cm	103	@ 70°F
Coefficient of Thermal Expansion in/in/°F x 10 ⁻⁶	7.7	70°F to 400°F
Density lb/in ³	0.304	---
Modulus of elasticity psi	31.0 X 10 ⁶	Tension

Product Properties	Value	Method
Total Product Weight oz/yd ²	24.0	Arlon SQA-TMS-025

SHELF LIFE & PROCESSING RECOMMENDATIONS

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.

Recommended Post cure Cycle 400°F for 2 hours

Product Operating Temperature -70°F to 428°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/arlton

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