



Elastomeric Material Solutions Division
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PRODUCT INFORMATION SHEET	
ARLON® Product Number	55579R033

PRODUCT DESCRIPTION

Design / Construction

Interleave: 0.003" polyethylene
Layer 2: Uncured Silicone Rubber
Layer 1: Cured Silicone Rubber
Substrate: Style 162 fiberglass



Rubber Add-On Thickness	Value	Tolerance	Method
Layer 1:	0.004"	Nominal	Arlon SQA-TMS-003
Layer 2:	0.010"	Minimum	Arlon SQA-TMS-003
Overall Thickness:	0.033"	+0.003"/-0.001"	Arlon SQA-TMS-003

Product Color : Red

COMPOUND AND SUBSTRATE INFORMATION

Silicone Properties	Value	Tolerance	Method
Tensile Strength psi	800	Minimum	Arlon SQA-TMS-008
Elongation %	500	Minimum	Arlon SQA-TMS-008
Durometer Shore A Points	45	±5	Arlon SQA-TMS-014
Specific Gravity ---	1.24	--	Arlon SQA-TMS-024

Substrate Properties	Value	Tolerance	Method
Thickness	0.018"	Nominal	Arlon SQA-TMS-003
Color	Red	--	N/A
Uncoated Fabric Break Strength, lb/in.			
Warp Direction	700	Nominal	Arlon SQA-TMS-026
Fill Direction	420	Nominal	Arlon SQA-TMS-026

Product Properties	Value	Tolerance	Method
Dielectric Strength volts/mil	400	Minimum	Arlon SQA-TMS-020
Bond Strength (L2 to L2) lb/in	6.0	Minimum	Arlon SQA-TMS-011
Total Product Weight oz/yd ²	33.0	±3.0	Arlon SQA-TMS-025

SHELF LIFE & PROCESSING RECOMMENDATIONS

Product Shelf Life	6 months from date of manufacture @ 70°F
<i>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.</i>	
Recommended Cure Cycle	15 minutes @ 350°F and 50 psi
Recommended Postcure Cycle	400°F for 2 hours
Product Operating Temperature	-70°F to 450°F

UL INFORMATION

UL Recognition : 220°C Electrical/ 200°C Mechanical per card E54153

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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