



Elastomeric Material Solutions Division
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PRODUCT INFORMATION SHEET	
ARLON® Product Number	55279X028

PRODUCT DESCRIPTION

Design / Construction

Interleave: 0.0025" Polyethylene
Layer 2: Uncured Silicone Rubber
Layer 1: Cured Silicone Rubber
Substrate: Style 162 Fiberglass



Rubber Add-On Thickness	Value	Method
Layer 2:	0.0070"	Arlon SQA-TMS-003
Layer 1:	0.0065"	Arlon SQA-TMS-003
Overall Thickness:	0.0295"	Arlon SQA-TMS-003

Product Color: Light Gray

TYPICAL PROPERTIES

Silicone Properties	Value	Method
Tensile Strength psi	1070	Arlon SQA-TMS-008
Elongation %	300	Arlon SQA-TMS-008
Tear Strength (Die B) ppiw	90	Arlon SQA-TMS-029
Durometer Shore A Points	60	Arlon SQA-TMS-014
Specific Gravity ---	1.35	Arlon SQA-TMS-024
Coefficient of Thermal Expansion (30°C -> 220°C) °C ⁻¹	285x10 ⁻⁶	ASTM E 831
Thermal Conductivity (150°C) W/mK	0.26	Arlon SQA-TMS-022

Substrate Properties	Value	Method
Thickness	0.016"	Arlon SQA-TMS-003
Color	White	N/A

Product Properties	Value	Method
Dielectric Strength volts/mil	466	Arlon SQA-TMS-020
Bond Strength (L2 to L2) lb/in	15.9	Arlon SQA-TMS-011
Total Product Weight oz/yd ²	31.6	Arlon SQA-TMS-025

SHELF LIFE & PROCESSING RECOMMENDATIONS

Product Shelf Life	6 months from date of manufacture @ 75°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 @ 250°F and 50 psi
Recommended Post-cure Cycle	400°F for 2 hours
Product Operating Temperature	-70°F to 428°F

UL INFORMATION

UL Recognition:	E54153 (RTI 220°C/220°C)
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