



Elastomeric Material Solutions Division
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PRODUCT INFORMATION SHEET	
ARLON® Product Number	55279R032

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:	0.0125"	Arlon SQA-TMS-003
	Layer 1:	0.0055"	Arlon SQA-TMS-003
	Overall Thickness:	0.0340"	Arlon SQA-TMS-003
Product Color:	Red		
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		Red	N/A
Product Properties		Value	Method
Dielectric Strength	volts/mil	501	Arlon SQA-TMS-020
Bond Strength (L2 to L2)	lb/in	8.2	Arlon SQA-TMS-011
Total Product Weight	oz/yd ²	33.9	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 @ 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)		

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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