



**Elastomeric Material Solutions Division**  
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PRODUCT INFORMATION SHEET	
<b>ARLON® Product Number</b>	51581R015

PRODUCT DESCRIPTION			
<b>Design / Construction</b>			
<b>Side 1 Interleave:</b>	0.0025" polyethylene		
<b>Side 1:</b>	Uncured Silicone Rubber		
<b>Substrate:</b>	Style 7628 fibreglass		
<b>Side 2:</b>	Uncured Silicone Rubber		
<b>Side 2 Interleave:</b>	0.0025" polyethylene		
<b>Rubber Add-On Thickness</b>			
	<b>Side 1:</b>	<b>Value</b> 0.0035"	<b>Method</b> Arlon SQA-TMS-003
	<b>Side 2:</b>	0.0035"	Arlon SQA-TMS-003
	<b>Overall Thickness:</b>	0.0150"	Arlon SQA-TMS-003
<b>Product Color :</b>	Red		
TYPICAL PROPERTIES			
<b>Silicone Properties</b>			
<b>Tensile Strength</b>	<b>psi</b>	<b>Value</b> 950	<b>Method</b> Arlon SQA-TMS-008
<b>Elongation</b>	<b>%</b>	620	Arlon SQA-TMS-008
<b>Tear Strength (Die B)</b>	<b>lb./in.</b>	150	Arlon SQA-TMS-029
<b>Durometer</b>	<b>Shore A Points</b>	37	Arlon SQA-TMS-014
<b>Specific Gravity</b>	<b>---</b>	1.34	Arlon SQA-TMS-024
<b>Substrate Properties</b>			
<b>Thickness</b>		<b>Value</b> 0.008"	<b>Method</b> Arlon SQA-TMS-003
<b>Color</b>		Red	N/A
<b>Product Properties</b>			
<b>Dielectric Strength</b>	<b>volts/mil</b>	<b>Value</b> 978	<b>Method</b> Arlon SQA-TMS-020
<b>Bond Strength (S1 to S2)</b>	<b>lb/in</b>	6.2	Arlon SQA-TMS-011
<b>Total Product Weight</b>	<b>oz/yd<sup>2</sup></b>	16.2	Arlon SQA-TMS-025
SHELF LIFE & PROCESSING RECOMMENDATIONS			
<b>Product Shelf Life</b>	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>		
<b>Recommended Cure Cycle</b>	15 minutes @ 350°F and 50 psi		
<b>Recommended Post Cure Cycle</b>	400°F for 2 hours		
<b>Product Operating Temperature</b>	-70°F to 428°F		
UL INFORMATION			
<b>UL Recognition :</b>	UL 94 HB at 200°C 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/aron

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