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PRODUCT INFORMATION SHEET

ARLON® Product Number 51586R015

PRODUCT DESCRIPTION

Design / Construction

Side 1: Cured Silicone Rubber
Substrate: Style 7628 fiberglass
Side 2: Uncured Silicone Rubber
Interleave: 0.003" polyethylene



<u>Rubber Add-On Thickness</u>	<u>Value</u>	<u>Method</u>
Side 1:	0.002"	Arlon SQA-TMS-003
Side 2:	0.005"	Arlon SQA-TMS-003
Overall Thickness:	0.015"	Arlon SQA-TMS-003

Product Color: Red

TYPICAL PROPERTIES

<u>Side 1 Silicone Properties</u>	<u>Value</u>	<u>Method</u>
Tensile Strength psi	530	Arlon SQA-TMS-008
Elongation %	300	Arlon SQA-TMS-008
Tear Strength (Die B) ppiw	40	Arlon SQA-TMS-0029
Durometer Shore A Points	55	Arlon SQA-TMS-014
Specific Gravity ---	1.56	Arlon SQA-TMS-024
<u>Side 2 Silicone Properties</u>	<u>Value</u>	<u>Method</u>
Tensile Strength psi	950	Arlon SQA-TMS-008
Elongation %	620	Arlon SQA-TMS-008
Tear Strength (Die B) ppiw	150	Arlon SQA-TMS-0029
Durometer Shore A Points	37	Arlon SQA-TMS-014
Specific Gravity ---	1.34	Arlon SQA-TMS-024
<u>Substrate Properties</u>	<u>Value</u>	<u>Method</u>
Thickness	0.008"	Arlon SQA-TMS-003
Color	Red	N/A
<u>Product Properties</u>	<u>Value</u>	<u>Method</u>
Dielectric Strength volts/mil	820	Arlon SQA-TMS-020
Bond Strength (S2 to S2) lb/in	13.9	Arlon SQA-TMS-011
Total Product Weight oz/yd ²	10.9	Arlon SQA-TMS-025

SHELF LIFE & PROCESSING RECOMMENDATIONS

Product Shelf Life	6 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 Cure Cycle	15 minutes @ 350°F and 50 psi
Recommended Postcure Cycle	400°F for 2 hours
Product Operating Temperature	-70°F to 428°F

UL INFORMATION

UL Recognition: UL 94 HB at 200°C per card E54153

The data presented in this document represent 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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