



Elastomeric Material Solutions Division
 1100 Governor Lea Road, Bear, DE 19701
 (302) 834-2100 (302) 834-4021 (Fax)
www.rogerscorp.com/arlon

PRODUCT INFORMATION SHEET

ARLON® Product Number 51576R015

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:	0.0025"	Arlon SQA-TMS-003
Side 2:	0.0055"	Arlon SQA-TMS-003
Overall Thickness:	0.0160"	Arlon SQA-TMS-003

Product Color : Red

TYPICAL PROPERTIES

<u>Side 1 Silicone Properties</u>	<u>Value</u>	<u>Method</u>
Tensile Strength psi	890	Arlon SQA-TMS-008
Elongation %	550	Arlon SQA-TMS-008
Durometer Shore A Points	52	Arlon SQA-TMS-014
Specific Gravity ---	1.35	Arlon SQA-TMS-024
<u>Side 2 Silicone Properties</u>	<u>Value</u>	<u>Method</u>
Tensile Strength psi	1100	Arlon SQA-TMS-008
Elongation %	650	Arlon SQA-TMS-008
Durometer Shore A Points	44	Arlon SQA-TMS-014
Specific Gravity ---	1.24	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	767	Arlon SQA-TMS-020
Bond Strength (S1 to S2) lb/in	9.2	Arlon SQA-TMS-011
Total Product Weight oz/yd ²	18.3	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 Post cure Cycle 400°F for 2 hours

Product Operating Temperature -70°F to 428°F

UL INFORMATION

UL Recognition : E54153 (UL 94 HB at 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/arlon

The information contained in this Data Sheet is intended to assist you in designing with Rogers' ARLON Materials. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown in this Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers' ARLON Materials for each application. The Rogers logo, Helping power, protect, connect our world and ARLON are trademarks of Rogers Corporation or one of its subsidiaries. ©2017 Rogers Corporation, All rights reserved. Printed in U.S.A., 0717-PDF, **Publication #202-116**