



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 49580R010

PRODUCT DESCRIPTION

Design / Construction

Interleave: 0.0025" polyethylene
Side 1: Uncured silicone rubber
Substrate: 1681 Style Fiberglass



Rubber Add-On Thickness

Side 1:
Overall Thickness:

Value

0.0045"
 0.0100"

Method

Arlon SQA-TMS-003
 Arlon SQA-TMS-003

Product Color : Red

TYPICAL PROPERTIES

Silicone Properties

		Value	Method
Tensile Strength	psi	950	Arlon SQA-TMS-008
Elongation	%	620	Arlon SQA-TMS-008
Tear Strength (Die B)	lb/in	150	Arlon SQA-TMS-029
Durometer	Shore A Points	37	Arlon SQA-TMS-014
Specific Gravity	---	1.34	Arlon SQA-TMS-024

Carrier Properties

	Value	Method
Thickness	0.0055"	Arlon SQA-TMS-003
Color	Red	N/A

Product Properties

		Value	Method
Dielectric Strength	volts/mil	738	Arlon SQA-TMS-020
Bond Strength	lb/in	11.6	Arlon SQA-TMS-011
Total Product Weight	oz/yd ²	11.3	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 : 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 /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. ©2016 Rogers Corporation, All rights reserved. Printed in U.S.A., 0916-PDF, Publication #202-022