



SILICONE TECHNOLOGIES DIVISION
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PRODUCT INFORMATION SHEET

Arlon Part Number 55392R045

PRODUCT INFORMATION

Design / Construction	Value	Method
Side 1: Cured Silicone Rubber		N/A
Substrate: Style 162 Fiberglass		N/A
Side 2: N/A		N/A
Rubber Add-On Thickness	0.027"	Arlon-SQA-TMS-003
Side 1: N/A		Arlon-SQA-TMS-003
Side 2: N/A		Arlon-SQA-TMS-003
Overall Thickness:	0.045"	Arlon-SQA-TMS-003
Dielectric Strength, Volts/mil	N/A	N/A
Bond Strength, lb/in	N/A	N/A
Mullen Burst Strength, psi	N/A	N/A
Thermal Impedance, °C/W	N/A	N/A
Total Product Weight, oz/yd ²	48.3	Arlon SQA-TMS-025
Interleave	0.003" Polyethylene	
Product Color	Red	
Product Shelf Life	60 Months from the Date of Manufacture @ 75°F	
	<i>Note: Shelf life is defined as the duration of time for which the product will meet the physical requirements outlined below. It does not guarantee the product's usefulness in all applications.</i>	
Recommended Cure Cycle	N/A	
Pad Life	150 Cycles (temperature and time dependant)	
Product Operating Temperature	400°F Continuous	
FLAME RETARDANCE INFORMATION		
UL Recognition	N/A	
Flame Test Method	N/A	
Flame Test Information	Value	Method
Flame Time, seconds	N/A	N/A
Glow Time, seconds	N/A	N/A
Char Length, inches	N/A	N/A
COMPOUND INFORMATION		
Silicone Properties	Value	Method
Tensile Strength, psi	1050	ASTM D 412
Elongation, %	170	ASTM D 412
Tear Strength, lb/in	40	ASTM D624
Compression Set, %	30	Arlon SQA-TMS-017
Thermal Conductivity, (BTU-In/hr-ft ² °F)	2.0	Arlon SQA-TMS-022
Durometer, Shore A Points	55	ASTM D 2240
SUBSTRATE INFORMATION		
Substrate Type	Prime Coated 162 Style Fiberglass	
Physical Property	Value	Method
Thickness, in	0.018	Arlon SQA-TMS-003
Uncoated Fabric Break Strength, lb/in		
Warp Direction:	700	N/A
Fill Direction:	420	N/A

The data presented in this document represents typical values for the production material.
 This data should not be used to write, or in place of, material specifications.

Last Revised January 16, 2006