



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Part Number 51224R015
Customer/Part Number

PRODUCT INFORMATION

Design / Construction	Side 1:	Value	Tolerance
	Side 2:	Semi-Cured Silicone Rubber	
		N/A	
Rubber Add-On Thickness	Side 1:	.007"	Nominal
	Side 2:	N/A	N/A
	Overall Thickness:	.015"	±.0015
Dielectric Strength, Volts/mil		400	Minimum
Bond Strength, lb/in		5.0	Minimum
Mullen Burst Strength, psi		N/A	N/A
Thermal Impedance, °C/W		N/A	N/A
Total Product Weight, oz/yd²		16.7	±1.5
Interleave		.003" Polyethylene	
Product Color		Red	
Product Shelf Life		6 months from 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		15 Minutes @350° F	
Recommended Postcure Cycle		2 Hours @400° F	
Product Operating Temperature		-70°F to 450°F	

FLAME RETARDANCE INFORMATION

UL Recognition	N/A		
Flame Test Method	FTMS 191A; Method 5903		
Flame Test Information		Value	Tolerance
Flame & Glow Time, seconds	15.0		Maximum
Glow Time, seconds	N/A		
Char Length, inches	3.0		Maximum

COMPOUND INFORMATION

Physical Property	Value	Tolerance
Tensile Strength, psi	900	Minimum
Elongation, %	200	Minimum
Tear Strength, lb/in	N/A	N/A
Compression Set, %	N/A	N/A
Thermal Conductivity, W/m·K	N/A	N/A
Durometer, Shore A Points	60	±5

SUBSTRATE INFORMATION

Substrate Type	Prime Coated 7628 Fiberglass		
Physical Property		Value	Tolerance
Thickness, in	.008		Nominal
Uncoated Fabric Break Strength, lb/in			
Warp Direction:	250		Nominal
Fill Direction:	200		Nominal

*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.*