



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Part Number

44686W013

PRODUCT INFORMATION

Design / Construction	Side 1:	Value	Tolerance
	Side 2:	Cured silicone rubber	
		Uncured silicone rubber	
Rubber Add-On Thickness	Side 1:	0.0020"	Nominal
	Side 2:	0.0055"	Minimum
	Overall Thickness:	0.0130"	±0.0010"
Dielectric Strength, KV		4.0	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/yd ²		13.8	±1.5
Interleave	0.003" Polyethylene		
Product Color	White		
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 and 50 psi		
Recommended Postcure Cycle	400°F for 2 hours		
Product Operating Temperature	-70°F to 450°F		

FLAME RETARDANCE INFORMATION

UL Recognition	N/A		
Flame Test Method	N/A		
Flame Test Information	Value	Tolerance	
Flame and Glow Time, seconds	N/A		
Char Length, Inches	N/A		

COMPOUND INFORMATION

Physical Property	Value	Tolerance
Tensile Strength, psi	1000	Minimum
Elongation, %	350	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	45	±5

SUBSTRATE INFORMATION

Substrate Type	Prime Coated Style 1165 Fiberglass		
Physical Property	Value	Tolerance	
Thickness, in	0.0055"	Nominal	
Uncoated Fabric Break Strength, lb/in			
Warp Direction:	125	Nominal	
Fill Direction:	160	Nominal	

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

Last Revised May 9, 2016.