



SILICONE TECHNOLOGIES DIVISION
 1100 Governor Lea Road, Bear, DE 19701
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PRODUCT INFORMATION SHEET	
Arlon Part Number	51581R028
Customer/Part Number	

PRODUCT INFORMATION		
Design / Construction	Value	Tolerance
Side 1:	Uncured Silicone Rubber	
Side 2:	Uncured Silicone Rubber	
Rubber Add-On Thickness	Side 1: .004" Side 2: .016" Overall Thickness: .028"	Minimum Minimum ±.0025
Dielectric Strength, Volts/mil	400	Minimum
Bond Strength, lb/in	6.0	Minimum
Mullen Burst Strength, psi	N/A	N/A
Thermal Impedance, °C/W	N/A	N/A
Total Product Weight, oz/yd ²	30.25	±2.0
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; 50 PSI	
Recommended Postcure Cycle	400°F for 2 hours	
Product Operating Temperature	-70°F to 450°F	
FLAME RETARDANCE INFORMATION		
UL Recognition	200°C rated per UL card E54153	
Flame Test Method	Compound Rated 94 HB	
Flame Test Information	Value	Tolerance
Flame Time, seconds	Per 94 HB Specifications	
Glow Time, seconds	Per 94 HB Specifications	
Char Length, inches	Per 94 HB Specifications	
COMPOUND INFORMATION		
Physical Property	Value	Tolerance
Tensile Strength, psi	800	Minimum
Elongation, %	500	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 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.