



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET	
<b>Arlon Part Number</b>	19220R025
<b>Customer/Part Number</b>	

PRODUCT INFORMATION		
Design / Construction	Value	Tolerance
<b>Side 1:</b> Uncured Silicone Rubber		
<b>Side 2:</b> N/A		
<b>Rubber Add-On Thickness</b>	<b>Side 1:</b> .010"	Minimum
	<b>Side 2:</b> N/A	N/A
<b>Overall Thickness:</b> .025"		±.002
<b>Dielectric Strength, Volts/mil</b>	400	Minimum
<b>Bond Strength, lb/in</b>	9.5	Minimum
<b>Mullen Burst Strength, psi</b>	N/A	N/A
<b>Thermal Impedance, °C/W</b>	N/A	N/A
<b>Total Product Weight, oz/yd<sup>2</sup></b>	28.4	±1.5
<b>Interleave</b>	.0015" Polyethylene	
<b>Product Color</b>	Red	
<b>Product Shelf Life</b>	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>	
<b>Recommended Cure Cycle</b>	15 minutes @350°F; 50 PSI	
<b>Recommended Postcure Cycle</b>	400°F for 2 hours	
<b>Product Operating Temperature</b>	-70°F to 450°F	
FLAME RETARDANCE INFORMATION		
<b>UL Recognition</b>	N/A	
<b>Flame Test Method</b>	N/A	
Flame Test Information	Value	Tolerance
<b>Flame Time, seconds</b>	N/A	
<b>Glow Time, seconds</b>	15.0 Flame and Glow Total	Maximum
<b>Char Length, inches</b>	3	Maximum
COMPOUND INFORMATION		
Physical Property	Value	Tolerance
<b>Tensile Strength, psi</b>	1000	±100
<b>Elongation, %</b>	250	±25
<b>Tear Strength, lb/in</b>	N/A	N/A
<b>Compression Set, %</b>	N/A	N/A
<b>Thermal Conductivity, W/m•K</b>	N/A	N/A
<b>Durometer, Shore A Points</b>	60	±5
SUBSTRATE INFORMATION		
<b>Substrate Type</b>	Prime Coated 1523 Fiberglass	
Physical Property	Value	Tolerance
<b>Thickness, in</b>	.015	Nominal
<b>Uncoated Fabric Break Strength, lb/in</b>		
<b>Warp Direction:</b>	450	Nominal
<b>Fill Direction:</b>	300	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.