



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Part Number 51229R020
Customer/Part Number

PRODUCT INFORMATION		
Design / Construction	<u>Value</u>	<u>Tolerance</u>
Side 1:	Layer-on-Layer	
Side 2:	N/A	
Rubber Add-On Thickness	Side 1: .002" Fully Cured	Minimum
	Side 1: .010" Uncured	Minimum
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	21.6	±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	<u>Value</u>	<u>Tolerance</u>
Flame & Glow Time, seconds	15.0	Maximum
Glow Time, seconds	N/A	
Char Length, inches	3.0	Maximum
COMPOUND INFORMATION		
Physical Property	<u>Value</u>	<u>Tolerance</u>
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	<u>Value</u>	<u>Tolerance</u>
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.*