

## Arlon 51921R020 0.020" Uncured Silicone Rubber with Fiberglass Substrate

Category : Polymer , Thermoset , Silicone , Silicone, Molded, Glass Fiber Filled

### Material Notes:

Design/Construction: Side 1: Uncured Silicone Rubber Substrate: Prime Coated 7628 Fiberglass Side 2: Uncured Silicone Rubber Interleave: 3 mil PET This data represents typical values for the production material and should not be used as material specifications. Information provided by ARLON Silicone Technologies Division.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-51921R020-0020-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-51921R020-0020-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Thickness	152 microns	6.00 mil	Side 1
	152 microns	6.00 mil	Side 2
	203 microns	8.00 mil	Substrate
	508 microns	20.0 mil	Overall Thickness

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	Silicone Property
Tensile Strength	>= 4.83 MPa	>= 700 psi	Silicone Property
Elongation at Break	>= 250 %	>= 250 %	Silicone Property
Peel Strength	>= 0.877 kN/m	>= 5.00 pli	Bond Strength

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
Flammability Test	3.0	3.0	Char Length, inches; FTMS 191A; Method 5903
	12	12	Flame Time, seconds; FTMS 191A; Method 5903
	20	20	Glow Time, seconds; FTMS 191A; Method 5903

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 15.7 kV/mm	>= 400 kV/in	

Processing Properties	Metric	English	Comments
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Processing Properties	Metric <sup>SI</sup>	English <sup>US</sup>	Comments
Cure Time	@Temperature 204 °C	@Temperature 400 °F	Recommended Post-Cure Cycle
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	23.1	
Uncoated Fabric Break Strength (lb/in)	200	Fill Direction
	250	Warp Direction

## Contact Songhan Plastic Technology Co.,Ltd.

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