

## Arlon 51580R020 0.020" Uncured Silicone Rubber with Fiberglass Substrate

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

### Material Notes:

Design/Construction: Interleave: 3 mil Polyethylene Side 1: Uncured Silicone Rubber Substrate: Style 7628 Fiberglass 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-51580R020-0020-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-51580R020-0020-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Thickness	203 microns	8.00 mil	Substrate
	305 microns	12.0 mil	Side 1
	508 microns	20.0 mil	Overall Thickness

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	Silicone Property
Tensile Strength	6.21 MPa	900 psi	Silicone Property
Elongation at Break	600 %	600 %	Silicone Property
Peel Strength	>= 1.05 kN/m	>= 6.00 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, UL94	HB	HB	File E54153

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

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Post Cure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	

Processing Properties	Metric <sub>month</sub>	English <sub>month</sub>	Comments
Shelf Life	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	21.4	Arlon SQA-TMS-025
Uncoated Fabric Break Strength (lb/in)	200	Fill Direction
	250	Warp Direction

## Contact Songhan Plastic Technology Co.,Ltd.

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