

## Arlon R31961R019 0.019" (0.483 mm) Uncured Silicone Rubber with Fiberglass Substrate

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

### Material Notes:

Design/Construction: Side 1: Uncured Silicone Rubber Side 2: Uncured Silicone Rubber This data Represents typical values for the production material. The data should not be used to write, or in place of, material specifications. Information provided by Arlon, Silicone Technologies Division

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-R31961R019-0019-0483-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-R31961R019-0019-0483-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Thickness	>= 50.8 microns	>= 2.00 mil	Side 1
	>= 50.8 microns	>= 2.00 mil	Side 2
	76.2 microns	3.00 mil	Polyethylene, Interleave
	381 microns	15.0 mil	Prime Coated 7628 Fiberglass, Substrate
	445 - 521 microns	17.5 - 20.5 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45 - 55	45 - 55	Compound Property
Tensile Strength	5.27 - 6.45 MPa	765 - 935 psi	Compound Property
Elongation at Break	315 - 385 %	315 - 385 %	Compound Property
Peel Strength	>= 0.701 kN/m	>= 4.00 pli	Bond Strength

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

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 Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	

Processing Properties	Metric	English	Comments
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	Recommended Cure Cycle
Shelf Life	6.00 Month @Temperature 23.9 °C	6.00 Month @Temperature 75.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	20.7 - 24.7	
Uncoated Fabric Break Strength	300 lb/in	Fill Direction, Substrate Property
	450 lb/in	Warp Direction, Substrate Property

## Contact Songhan Plastic Technology Co.,Ltd.

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