

Arlon R31031R025 0.025" Uncured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: 0.003" Polyethylene
 Side 1: Uncured Silicone Rubber
 Substrate: Prime Coated 1564 Fiberglass
 Side 2: Uncured Silicone Rubber
 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-R31031R025-0025-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	127 microns	5.00 mil	Side 1
	127 microns	5.00 mil	Side 2
	381 microns	15.0 mil	Substrate
	635 microns	25.0 mil	Overall thickness

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	Silicone Property
Tensile Strength	>= 5.52 MPa	>= 800 psi	Silicone Property
Elongation at Break	>= 300 %	>= 300 %	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 Test	3.0	3.0	Char Length, inches; FTMS 191A; Method 5903
	25	25	Flame and 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
Cure Time	120 min	2.00 hour	Recommended Post Cure Cycle

Processing Properties	@Temperature 204 °C Metric	@Temperature 400 °F English	Comments
	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)	32	
Uncoated Fabric Break Strength (lb/in)	350	Fill Direction
	400	Warp Direction

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China