

Arlon 51426W015 0.015" Cured/Uncured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Side 1: Cured Silicone Rubber Substrate: Prime Coated 7628 Fiberglass Side 2: Uncured Silicone Rubber Interleave: 3 mil Polyethylene 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-51426W015-0015-CuredUncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Side 1
	102 microns	4.00 mil	Side 2
	203 microns	8.00 mil	Substrate
	381 microns	15.0 mil	Overall Thickness

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58	58	Silicone Property
Tensile Strength	6.21 MPa	900 psi	Silicone Property
Elongation at Break	350 %	350 %	Silicone Property
Peel Strength	>= 1.05 kN/m	>= 6.00 pli	Bond Strength, side 2 to side 2

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	Inches; Char Length; FTMS 191A; Method 5903
	25	25	Seconds; Flame and Glow Time; FTMS 191A; Method 5903

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

Processing Properties	Metric	English	Comments
	120 min	2.00 hour	

Cure Time Processing Properties	Metric @ Temperature 204 °C	English @ Temperature 400 °F	Recommended Post Cure Cycle 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	White	
Total Product Weight (oz/yd2)	16.8	
Uncoated Fabric Break Strength (lb/in)	200	Fill direction
	250	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