

Arlon 44571XB015 0.015" Uncured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: 2.5 mil Polyethylene Side 1: Uncured Silicone Rubber Substrate: Style 1165 Fiberglass (Flexible Heater Substrate) Side 2: Uncured Silicone Rubber Interleave: 2.5 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-44571XB015-0015-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	127 microns	5.00 mil	Side 1; Arlon SQA-TMS-003
	127 microns	5.00 mil	Side 2; Arlon SQA-TMS-003
	127 microns	5.00 mil	Substrate; Arlon SQA-TMS-003
	381 microns	15.0 mil	Overall Thickness; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	44	44	Silicone Property; ASTM D2240
Tensile Strength	7.58 MPa	1100 psi	Silicone Property; ASTM D412
Elongation at Break	650 %	650 %	Silicone Property; ASTM D412
Peel Strength	2.80 kN/m	16.0 pli	Bond Strength (S1 to S2); Arlon SQA-TMS-011

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	204 °C	400 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	30.1 kV/mm	765 kV/in	Arlon SQA-TMS-020

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Post Cure Cycle
	@Temperature 204 °C	@Temperature 400 °F	

Processing Properties	15.0 min Metric	0.250 hour English	Comments 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 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Gray	Silicone
	White	Substrate
Total Product Weight (oz/yd2)	14.6	Arlon SQA-TMS-025

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