

Arlon R37503G015 0.015" (0.381 mm) Cured Fluorosilicone Rubber

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction: Interleave: PolyethyleneSide 2: Cured Fluorosilicone RubberSubstrate: Polyester FabricSide 2: Cured Fluorosilicone Rubber Substrate Weave: PlainFabric Count (Wrap x Fill): 88 x 80Appearance: Green silicone gum and on fiberglass clothThis 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-R37503G015-0015-0381-mm-Cured-Fluorosilicone-Rubber.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	Fluorosilicone Property; Arlon SQA-TMS-024
Thickness	63.5 microns	2.50 mil	Interleave
	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; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	56	56	Fluorosilicone Property; ASTM D2240
Tensile Strength	7.10 MPa	1030 psi	Fluorosilicone Property; ASTM D412
Elongation at Break	410 %	410 %	Fluorosilicone Property; ASTM D412
Tear Strength	19.1 kN/m	109 pli	Die B, Fluorosilicone Property; ASTM D624

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

Processing Properties	Metric	English	Comments
Shelf Life	60.0 Month @Temperature 21.1 °C	60.0 Month @Temperature 70.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Green	
Fuel Resistance	17.5	Fuel A Resistance, Product Property, ASTM D471
	23.2	Fuel C Resistance, Fluorosilicone Property, ASTM D471
	26.6	Fuel C Resistance, Product Property, ASTM D471
	8.1	Fuel CM85 Resistance, Fluorosilicone Property, ASTM D471
	8.9	Fuel CM85 Resistance, Product Property, ASTM D471
	9.6	Fuel A Resistance, Fluorosilicone Property, ASTM D471
Mullen Burst Strength	213	ASTM D751
Plasticity	2.3 mm	Arlon SQA-TMS-005
	3.21 mm	Arlon SQA-TMS-005
Uncoated Fabric Break Strength	109 ppiw	Fill Strength, ASTM D751
	155 ppiw	Warp Strength, ASTM D751

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