

Arlon 51576XC15A 0.015" Uncured/Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: 3 mil Polyethylene Side 2: Uncured Silicone Rubber Substrate: Style 7628 Fiberglass Side 1: Cured 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-51576XC15A-0015-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	88.9 microns	3.50 mil	Side 1; Arlon SQA-TMS-003
	88.9 microns	3.50 mil	Side 2; Arlon SQA-TMS-003
	203 microns	8.00 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	45	45	Silicone Property; ASTM D2240
Tensile Strength	6.38 MPa	925 psi	Silicone Property; ASTM D412
Elongation at Break	550 %	550 %	Silicone Property; ASTM D412
Peel Strength	1.61 kN/m	9.20 pli	Bond Strength; Arlon SQA-TMS-011

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

Electrical Properties	Metric	English	Comments
Dielectric Strength	23.0 kV/mm	585 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	300 min @Temperature 204 °C	5.00 hour @Temperature 400 °F	Recommended Post Cure Cycle

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 21.1 °C	6.00 Month @Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Light Gray	Product
	White	Substrate
Total Product Weight (oz/yd2)	15.8	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