

Arlon 28561R015 0.015" (0.381 mm) Uncured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave 1: Polyethylene Side 1: Uncured Silicone RubberSubstrate: Style 1528 FiberglassSide 2: Uncured Silicone RubberInterleave 2: PolyethyleneAppearance: Red silicone gum on fiberglass fabricThis 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-28561R015-0015-0381-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in³	Silicone Property; Arlon SQA-TMS-024
Thickness	38.1 microns	1.50 mil	Interleave 1
	38.1 microns	1.50 mil	Interleave 2
	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	S
	381 microns	15.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	39	39	Silicone Property; ASTM D2240
Tensile Strength	5.93 MPa	860 psi	Silicone Property; ASTM D412
Elongation at Break	720 %	720 %	Silicone Property; ASTM D412
Tear Strength	20.2 kN/m	115 pli	Silicone Property; ASTM D624
Peel Strength	1.30 kN/m	7.40 pli	Bond Strength; Arlon SQA-TMS-029

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

Electrical Properties	Metric	English	Comments

Dielectric Strength Electrical Properties	27.6 kV/mm Metric	700 kV/in English	ASTM D149 Comments
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Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	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	From date of manufacture
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	16.2	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