

Arlon R36338R015 0.0155" (0.394 mm) Uncured/Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: Polyethylene Side 1, Layer 2: Uncured Silicone Rubber Side 1, Layer 1: Uncured Silicone Rubber Substrate: Style 7628 FiberglassSide 2: Cured Silicone RubberAppearance: Red colored, high viscosity 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-R36338R015-00155-0394-mm-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	19.0 microns	0.750 mil	Side 2; Arlon SQA-TMS-003
	19.0 microns	0.750 mil	Side 1, Cured; Arlon SQA-TMS-003
	38.1 microns	1.50 mil	Interleave
	152 microns	6.00 mil	Side 1, Uncured; Arlon SQA-TMS-003
	203 microns	8.00 mil	Substrate; Arlon SQA-TMS-003
	394 microns	15.5 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	23	23	Silicone Property; ASTM D2240
Tensile Strength	4.48 MPa	650 psi	Silicone Property; ASTM D412
Elongation at Break	1150 %	1150 %	Silicone Property; ASTM D412
Peel Strength	1.75 kN/m	10.0 pli	Bond Strength (S1 to S2); 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	

Electrical Properties	Metric	English	Comments
Dielectric Strength	30.5 kV/mm	775 kV/in	ASTM D149

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 - 0.517 MPa, Temperature 110 °C	@Pressure 50.0 - 75.0 psi, Temperature 230 °F	
Shelf Life	6.00 Month	6.00 Month	From date of manufacture
	@Temperature 4.44 - 10.0 °C	@Temperature 40.0 - 50.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	16.5	Arlon SQA-TMS-025

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