

Arlon 49442R0075 0.0075" Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction:Side 1: Cured Silicone RubberSubstrate: Style 1681 FiberglassThis 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-49442R0075-00075-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	50.8 microns	2.00 mil	Silicone; Arlon SQA-TMS-003
	140 microns	5.50 mil	Substrate; Arlon SQA-TMS-003
	191 microns	7.50 mil	Overall Thickness; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	Silicone Property; ASTM D2240
Tensile Strength	4.48 MPa	650 psi	Silicone Property; ASTM D412
Elongation at Break	250 %	250 %	Silicone Property; ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
Flammability Test	3.0	3.0	Inches; Char Length; Arlon SQA-TMS-019
	25	25	Seconds; Flame and Glow Time; Arlon SQA-TMS-019

Electrical Properties	Metric	English	Comments
Dielectric Strength	15.7 kV/mm	400 kV/in	Arlon SQA-TMS-020

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
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Color

Descriptive Properties	Red Value	Comments
Total Product Weight (oz/yd2)	12	Arlon SQA-TMS-025
Uncoated Fabric Break Strength (lb/in)	110	Fill Direction, Substrate Property
	195	Warp Direction, Substrate Property

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