

Arlon 49481R030 0.030" (0.762 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 1681 FiberglassSide 2: Uncured Silicone RubberInterleave 2: Polyethylene This 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-49481R030-0030-0762-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in³	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Interleave 1
	76.2 microns	3.00 mil	Interleave 2
	140 microns	5.50 mil	Style 1681 Fiberglass, Substrate; Arlon SQA-TMS-003
	305 microns	12.0 mil	Side 1; Arlon SQA-TMS-003
	318 microns	12.5 mil	Side 2; Arlon SQA-TMS-003
	762 microns	30.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	Silicone Property; ASTM D2240
Tensile Strength	7.93 MPa	1150 psi	Silicone Property; ASTM D412
Elongation at Break	550 %	550 %	Silicone Property; ASTM D412
Peel Strength	4.38 kN/m	25.0 pli	Bond Strength; 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
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	

Processing Properties	15.0 min Metric	0.250 hour 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 23.9 °C	6.00 Month @Temperature 75.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	27	Arlon SQA-TMS-025

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