

Arlon 48360X005 0.005" (0.127 mm) Uncured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: Polyethylene Side 1: Uncured Silicone RubberSubstrate: Style 1080 FiberglassFlame Resistance: Product meets Title 14 CFR 25.856(a) Appendix F, Part VI (amdt. 25-111) flame resistance requirements.Product Use: Flexible hose/duct substrateAppearance: Gray 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 specificationsInformation provided by Arlon, Silicone Technologies Division

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-48360X005-0005-0127-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	38.1 microns	1.50 mil	Interleave
	50.8 microns	2.00 mil	Side 1; Arlon SQA-TMS-003
	76.2 microns	3.00 mil	Substrate; Arlon SQA-TMS-003
	127 microns	5.00 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66	66	Silicone Property; ASTM D2240
Tensile Strength	0.689 MPa	100 psi	Silicone Property; ASTM D412
Elongation at Break	275 %	275 %	Silicone Property; ASTM D412
Peel Strength	0.578 kN/m	3.30 pli	(S1 to S2) Bond Strength; Arlon SQA-TMS-011

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	400 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
Flammability Test	0.00	0.00	[sec], After Flame Time
	0.60	0.60	[in], Flame Propagation

Processing Properties	Metric	English	Comments
	15.0 min	0.250 hour	

Cure Time Processing Properties	@Pressure 0.345 MPa, Metric Temperature 121 °C	@Pressure 50.0 psi, English Temperature 250 °F	Recommended Cure Cycle Comments
Shelf Life	6.00 Month @Temperature 21.1 °C	6.00 Month @Temperature 70.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Gray	
	White	Substrate
Total Product Weight (oz/yd2)	5.1	Arlon SQA-TMS-025

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