

Arlon 43362X0055 0.0055" (0.140 mm) Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: PolyethyleneSide 1: Cured Silicone RubberSubstrate: Style 2112 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 rubber 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-43362X0055-00055-0140-mm-Cured-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
	88.9 microns	3.50 mil	Substrate; Arlon SQA-TMS-003
	140 microns	5.50 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66	66	Silicone Property; ASTM D2240
Tensile Strength	6.89 MPa	1000 psi	Silicone Property; ASTM D412
Elongation at Break	275 %	275 %	Silicone Property; ASTM D412

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	0.50	0.50	[in], Flame Propagation
	0.90	0.90	[sec], After Flame Time

Processing Properties	Metric	English	Comments
Shelf Life	60.0 Month	60.0 Month	From date of manufacture
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Gray	
	White	Substrate
Total Product Weight (oz/yd2)	6.1	Arlon SQA-TMS-025

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