

Arlon 44602M020 0.020" (0.508 mm) Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Side 1: Cured Silicone Rubber
 Appearance Tan rubber on glass fiber fabric
 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-44602M020-0020-0508-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene Interleave
	127 microns	5.00 mil	Prime Coated 1165 Fiberglass, Substrate
	381 microns	15.0 mil	Side 1
	457 - 559 microns	18.0 - 22.0 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55 - 65	55 - 65	Compound Property
Tensile Strength	>= 6.21 MPa	>= 900 psi	Compound Property
Elongation at Break	>= 300 %	>= 300 %	Compound Property

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	220 °C	428 °F	per UL card E54153
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
Flammability, UL94	HB	HB	Compound Rated

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 15.7 kV/mm	>= 400 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	12.0 Month	12.0 Month	

Shelf Life	Metric	English	From date of manufacture
Processing Properties	@ Temperature 23.9 °C	@ Temperature 75.0 °F	Comments

Descriptive Properties	Value	Comments
Color	Tan	
Total Product Weight (oz/yd2)	19.4 - 23.4	
Uncoated Fabric Break Strength	125 lb/in	Warp Direction, Substrate Property
	160 lb/in	Fill Direction, Substrate Property

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