

Arlon P31000A005 0.005" Uncured Silicone Rubber with PTFE Coated Fiberglass Carrier

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

Material Notes:

Design/Construction:Liner: 0.001" FEP FilmSide 1: Uncured Silicone RubberCarrier: 0.003" PTFE coated 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-P31000A005-0005-Uncured-Silicone-Rubber-with-PTFE-Coated-Fiberglass-Carrier.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Carrier; Arlon SQA-TMS-003
	127 microns	5.00 mil	Rubber; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	35	35	Silicone Property; ASTM D2240
Tensile Strength	6.89 MPa	1000 psi	Silicone Property; ASTM D412
Elongation at Break	650 %	650 %	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	

Electrical Properties	Metric	English	Comments
Dielectric Strength	31.5 kV/mm	800 kV/in	Arlon SQA-TMS-020

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Post Cure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	
	3.00 Month	3.00 Month	

Shelf Life		Metric	English	Comments
Processing Properties		@ Temperature 21.1 °C	@ Temperature 70.0 °F	
Descriptive Properties		Value	Comments	
Color		Blue		
Total Product Weight (oz/yd2)		5.5	Arlon SQA-TMS-025	

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