

Arlon 99020N015 0.015" Uncured Silicone Rubber with PTFE Coated Fiberglass Carrier

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

Material Notes:

Design/Construction: Interleave: 0.001" FEP Film Side 1: Uncured Silicone Rubber Carrier: 0.003" PTFE coated Fiberglass Recommended Primer: Chemlock 607 This 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-99020N015-0015-Uncured-Silicone-Rubber-with-PTFE-Coated-Fiberglass-Carrier.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Carrier; Arlon SQA-TMS-003
	381 microns	15.0 mil	Rubber; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69	69	Silicone Property; ASTM D2240
Tensile Strength	10.0 MPa	1450 psi	Silicone Property; ASTM D412
Elongation at Break	654 %	654 %	Silicone Property; ASTM D412
Shear Strength	5.72 MPa	829 psi	ASTM D1002
Tear Strength	49.1 kN/m	280 pli	Die B; Silicone Property; ASTM D624

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	49.80 kV/mm	1265 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	
	6.00 Month	6.00 Month	

Processing Properties	Metric	English	Comments
	@ Temperature 21.1 °C	@ Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Natural	
Total Product Weight (oz/yd2)	18.1	Arlon SQA-TMS-025

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