

Arlon 99570R010 0.010" 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-99570R010-0010-Uncured-Silicone-Rubber-with-PTFE-Coated-Fiberglass-Carrier.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Carrier; Arlon SQA-TMS-003
	254 microns	10.0 mil	Side 1; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	44	44	Silicone Property; ASTM D2240
Tensile Strength	7.58 MPa	1100 psi	Silicone Property; ASTM D412
Elongation at Break	650 %	650 %	Silicone Property; ASTM D412
Tear Strength	14.5 kN/m	83.0 pli	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	39.4 kV/mm	1000 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	

Processing Properties	Metric _{onth}	English _{onth}	Comments
Shrink Rate	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd ²)	9.3	Arlon SQA-TMS-025

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