

Arlon P31000N010 0.010" (0.254 mm) Uncured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: FEPSide 1: Uncured Silicone Rubber Substrate: PTFE Coated StockAppearance: Translucent silicone gum on release liners (clear and brown)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-P31000N010-0010-0254-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in³	Silicone Property; Arlon SQA-TMS-024
Thickness	25.4 microns	1.00 mil	Interleave
	76.2 microns	3.00 mil	Substrate; Arlon SQA-TMS-003
	254 microns	10.0 mil	Overall; Arlon SQA-TMS-003
	254 microns	10.0 mil	Side 1; 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, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	15.7 kV/mm	400 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	

Processing Properties	Metric	English	Comments
	@ Pressure 0.345 - 0.517 MPa, Temperature 177 °C	@ Pressure 50.0 - 75.0 psi, Temperature 350 °F	Recommended Cure Cycle
Shelf Life	3.00 Month @Temperature 4.44 °C	3.00 Month @Temperature 40.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Natural	
Total Product Weight (oz/yd2)	11	Arlon SQA-TMS-025

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