

Arlon 22122R079 0.079" Cured Silicone Rubber and FEP Film Laminate

Category : Polymer , Thermoplastic , Fluoropolymer , FEP , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction: Interleave: 3 mil Polyethylene Side 1: Cured Silicone Rubber Substrate: 0.005" FEP Film 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-22122R079-0079-Cured-Silicone-Rubber-and-FEP-Film-Laminate.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	127 microns	5.00 mil	Substrate; Arlon SQA-TMS-003
	1880 microns	74.0 mil	Side 1; Arlon SQA-TMS-003
	2010 microns	79.0 mil	Overall Thickness; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	Silicone Property; ASTM D2240
Tensile Strength	7.433 MPa	1078 psi	Silicone Property; ASTM D412
Elongation at Break	341 %	341 %	Silicone Property; ASTM D412
Tear Strength	16.0 kN/m	91.0 pli	Die B, Silicone Property; ASTM D624
Peel Strength	2.07 kN/m	11.8 pli	Silicone to FEP Bond Strength

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	>= 19.1 kV/mm	>= 486 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Shelf Life	60.0 Month	60.0 Month	
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
	Transparent	Substrate
Total Product Weight (oz/yd2)	77	Arlon SQA-TMS-025

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