

Arlon R37732R079 0.079" (2.01 mm) Cured Silicone Rubber with FEP Film Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction: Interleave: PolyethyleneSide 1: Cured Silicone RubberSubstrate: FEP FilmAppearance: Red silicone rubber chemically bonded to fluoropolymer filmThis 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-R37732R079-0079-201-mm-Cured-Silicone-Rubber-with-FEP-Film-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Interleave
	127 microns	5.00 mil	Substrate
	1880 microns	74.0 mil	Side 1; Arlon SQA-TMS-003
	2010 microns	79.0 mil	Overall; 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; Arlon SQA-TMS-011

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	19.1 kV/mm	486 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
	60.0 Month	60.0 Month	

Shelf Life	Metric	English	From date of manufacture
Processing Properties	@ Temperature 21.1 °C	@ Temperature 70.0 °F	Comments

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

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