

Arlon 25662T010 0.010" (0.254 mm) Cured Silicone Rubber with Laminated ETFE Film Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction: Side 1: Cured Silicone Rubber Substrate: Laminated ETFE Film
Chemical Compatibility: (ETFE offers good chemical resistance to the following classes of chemicals) Alkalis, Organic and Inorganic acids, Amines, Epoxies, Aromatic compounds, Chlorine compounds, Ethers, Ketones, Esters, Alcohols and Hydrocarbons
Product Use: Chemically resistant, reusable vacuum bag material
Appearance: Translucent silicone rubber chemically bonded to fluoropolymer film
 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-25662T010-0010-0254-mm-Cured-Silicone-Rubber-with-Laminated-ETFE-Film-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	Silicone; Arlon SQA-TMS-024
	1.70 g/cc	0.0614 lb/in ³	Laminated ETFE Film; ASTM D792
Thickness	50.8 microns	2.00 mil	Substrate; Arlon SQA-TMS-003
	203 microns	8.00 mil	Side 1; Arlon SQA-TMS-003
	254 microns	10.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	Silicone; ASTM D2240
	67	67	Laminated ETFE Film; ASTM D2240
Tensile Strength	8.96 MPa	1300 psi	Silicone; ASTM D412
	41.4 MPa	6000 psi	Laminated ETFE Film; ASTM D638
Elongation at Break	300 %	300 %	Laminated ETFE Film; ASTM D638
	700 %	700 %	Silicone; ASTM D412
Elongation at Yield	6 %	6 %	Elastic Deformation of ETFE Film; ASTM D638
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Tear Strength	39.4 kN/m	225 pli	Arlon SQA-TMS-029
	1.58 kN/m	9.00 pli	[ppiw], Break Strength; Arlon SQA-TMS-008
	@Temperature 150 °C	@Temperature 302 °F	

Mechanical Properties	Metric	English	Comments
	7.28 kN/m	13.0 pli	[ppiw], Break Strength; Arlon SQA-TMS-008
	@Temperature 100 °C	@Temperature 212 °F	
	4.03 kN/m	23.0 pli	[ppiw], Break Strength; Arlon SQA-TMS-008
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	154 °C	310 °F	
Minimum Service Temperature, Air	-51.1 °C	-60.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	7.87 kV/mm	200 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Shelf Life	60.0 Month	60.0 Month	From date of manufacture
	@Temperature 21.1 - 26.7 °C	@Temperature 70.0 - 80.0 °F	

Descriptive Properties	Value	Comments
Color	Translucent	
Total Product Weight (oz/yd2)	9.6	Arlon SQA-TMS-025

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China