

Arlon 25122R040 0.040" (1.02 mm) Silicone Rubber on Laminated Fluoropolymer Film

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Appearance: Red 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-25122R040-0040-102-mm-Silicone-Rubber-on-Laminated-Fluoropolymer-Film.php

Physical Properties	Metric	English	Comments
Thickness	50.8 microns	2.00 mil	Laminated Fluoropolymer Film
	889 - 1040 microns	35.0 - 41.0 mil	Side 1
	940 - 1090 microns	37.0 - 43.0 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55 - 65	55 - 65	Compound Property
Tensile Strength	6.21 - 7.58 MPa	900 - 1100 psi	Compound Property
Elongation at Break	135 - 165 %	135 - 165 %	Compound Property

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	

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month @Temperature 21.1 °C	12.0 Month @Temperature 70.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	44 - 48	

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