

Arlon T2040-B004 0.040" (1.02 mm) Cured Self-Fusing Silicone Rubber

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Description: 1 inch wide x 40 mil thick, Black, Triangular cross-section, Self-Fusing Silicone Tape Design/Construction: Interleave: Polyester

Product: Cured Self-Fusing Silicone Rubber Cross-Section: Triangular Appearance: Black silicone rubber on polymer liner 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-T2040-B004-0040-102-mm-Cured-Self-Fusing-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	Arlon SQA-TMS-024
Water Absorption	0.10 %	0.10 %	Arlon SQA-TMS-016
Thickness	25.4 microns	1.00 mil	Interleave
	1020 microns	40.0 mil	Overall; Arlon SQA-TMS-012

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	49	49	ASTM D2240
Tensile Strength	8.522 MPa	1236 psi	ASTM D412
Elongation at Break	716 %	716 %	ASTM D412
Tear Strength	28.0 kN/m	160 pli	ASTM D624
Peel Strength	0.491 kN/m	2.80 pli	Bond Strength; Arlon SQA-TMS-015

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	400 °F	
Minimum Service Temperature, Air	-51.1 °C	-60.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	20.1 kV/mm	511 kV/in	ASTM D149

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	Black	

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