

## Arlon RBLW401X##-P1 0.040" (1.02 mm) Cured Self-Fusing Silicone Rubber

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Description: 1 inch wide, 40 mil thick, Red, Triangular cross-section, Self-Fusing Silicone Tape. Product is supplied in various roll lengths. ## in the product number indicates roll length in yards. RB tape is designed for high instantaneous adhesion when brought into contact under light pressure. Design/Construction: Rubber: Cured Self-Fusing Silicone Rubber Cross-Section: 1" Wide Triangular Interleave: Polyethylene 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-RBLW401X-P1-0040-102-mm-Cured-Self-Fusing-Silicone-Rubber.php](http://www.lookpolymers.com/polymer_Arlon-RBLW401X-P1-0040-102-mm-Cured-Self-Fusing-Silicone-Rubber.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	Arlon SQA-TMS-024
Water Absorption	1.0 %	1.0 %	Arlon SQA-TMS-016
Thickness	1020 microns	40.0 mil	Rubber; Arlon SQA-TMS-012

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	ASTM D2240
Tensile Strength	10.0 MPa	1450 psi	ASTM D412
Elongation at Break	473 %	473 %	ASTM D412
Peel Strength	0.543 kN/m	3.10 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	20.6 kV/mm	522 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
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Color Descriptive Properties	Red Value	Comments
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