

## Arlon T1012-R004-xx 0.012" Self-Fusing Silicone Rubber Tape

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

1 inch wide, 12 mil thick, red, rectangular cross-section, self-fusing silicone tape. Product is supplied in various yard long roll lengths as indicated by the xx characters in the part number. Design/Construction: Interleave: 1 mil Polyester Rubber: Self-fusing Silicone Rubber Cross-section: 1" wide rectangular This data represents typical values for the production material and should not be used as material specifications. Information provided by ARLON Silicone Technologies Division.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-T1012-R004-xx-0012-Self-Fusing-Silicone-Rubber-Tape.php](http://www.lookpolymers.com/polymer_Arlon-T1012-R004-xx-0012-Self-Fusing-Silicone-Rubber-Tape.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Water Absorption	0.10 %	0.10 %	Arlon SQA-TMS-016
Thickness	305 microns	12.0 mil	Rubber; Arlon SQA-TMS-012

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	46	46	Silicone Property; ASTM D2240
Tensile Strength	8.839 MPa	1282 psi	Silicone Property; ASTM D412
Elongation at Break	678 %	678 %	Silicone Property; ASTM D412
Peel Strength	0.403 kN/m	2.30 pli	Bond Strength; Arlon SQA-TMS-015

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	204 °C	400 °F	
Minimum Service Temperature, Air	-53.9 °C	-65.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	39.4 kV/mm	1000 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	

Descriptive Properties	Value	Comments
Color	Red	

Descriptive Properties	Value	Comments
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**Contact Songhan Plastic Technology Co.,Ltd.**

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