

## Arlon RBLW401R##-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-RBLW401R-P1-0040-102-mm-Cured-Self-Fusing-Silicone-Rubber.php](http://www.lookpolymers.com/polymer_Arlon-RBLW401R-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<br>@Temperature 21.1 °C | 12.0 Month<br>@Temperature 70.0 °F | From date of manufacture |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
|------------------------|-------|----------|

| Color<br>Descriptive Properties | Red<br>Value | Comments |
|---------------------------------|--------------|----------|
|---------------------------------|--------------|----------|

## Contact Songhan Plastic Technology Co.,Ltd.

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