

## Arlon R38726R030 0.030" (0.762 mm) Uncured/Cured Silicone Rubber with Fiberglass Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction: Interleave: Polyethylene Side 2: Uncured Silicone RubberSubstrate: Style 162 FiberglassSide 1: Cured SiliconeThis 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-R38726R030-0030-0762-mm-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-R38726R030-0030-0762-mm-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php)

| Physical Properties | Metric       | English                   | Comments                             |
|---------------------|--------------|---------------------------|--------------------------------------|
| Density             | 1.33 g/cc    | 0.0480 lb/in <sup>3</sup> | Silicone Property; Arlon SQA-TMS-024 |
| Thickness           | 63.5 microns | 2.50 mil                  | Interleave                           |
|                     | 152 microns  | 6.00 mil                  | Side 1; Arlon SQA-TMS-003            |
|                     | 203 microns  | 8.00 mil                  | Side 2; Arlon SQA-TMS-003            |
|                     | 406 microns  | 16.0 mil                  | Substrate; Arlon SQA-TMS-003         |
|                     | 762 microns  | 30.0 mil                  | Overall; Arlon SQA-TMS-003           |

| Mechanical Properties | Metric    | English  | Comments                         |
|-----------------------|-----------|----------|----------------------------------|
| Hardness, Shore A     | 51        | 51       | Silicone Property; ASTM D2240    |
| Tensile Strength      | 8.088 MPa | 1173 psi | Silicone Property; ASTM D412     |
| Elongation at Break   | 567 %     | 567 %    | Silicone Property; ASTM D412     |
| Peel Strength         | 1.98 kN/m | 11.3 pli | Bond Strength; Arlon SQA-TMS-011 |

| 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   | 18.1 kV/mm | 460 kV/in | ASTM D149 |

| Processing Properties | Metric  | English   | Comments |
|-----------------------|---------|-----------|----------|
|                       | 120 min | 2.00 hour |          |

| Cure Time<br>Processing Properties | Metric<br>@ Temperature 204 °C             | English<br>@ Temperature 400 °F           | Recommended Postcure Cycle<br>Comments |
|------------------------------------|--------------------------------------------|-------------------------------------------|----------------------------------------|
|                                    | 15.0 min                                   | 0.250 hour                                |                                        |
|                                    | @Pressure 0.345 MPa,<br>Temperature 121 °C | @Pressure 50.0 psi,<br>Temperature 250 °F | Recommended Cure Cycle                 |
| Shelf Life                         | 6.00 Month                                 | 6.00 Month                                |                                        |
|                                    | @Temperature 21.1 °C                       | @Temperature 70.0 °F                      | From date of manufacture               |

| Descriptive Properties        | Value | Comments          |
|-------------------------------|-------|-------------------|
| Color                         | Red   |                   |
|                               | Red   | Substrate         |
| Total Product Weight (oz/yd2) | 31.2  | Arlon SQA-TMS-025 |

## Contact Songhan Plastic Technology Co.,Ltd.

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