

## Arlon 99202R008 0.008" (0.203 mm) Cured Silicone Rubber with PTFE Coated Fiberglass Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber , Silicone, Molded, Glass Fiber Filled

### Material Notes:

Design/Construction: Interleave: FEP FilmSide 1: Cured Silicone Rubber Carrier: PTFE Coated FiberglassProduct Use: Adhesive. Bonds without primer.Appearance: Off-white, High viscosity gum on release linersThis 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-99202R008-0008-0203-mm-Cured-Silicone-Rubber-with-PTFE-Coated-Fiberglass-Carrier.php](http://www.lookpolymers.com/polymer_Arlon-99202R008-0008-0203-mm-Cured-Silicone-Rubber-with-PTFE-Coated-Fiberglass-Carrier.php)

| Physical Properties | Metric       | English                   | Comments                             |
|---------------------|--------------|---------------------------|--------------------------------------|
| Density             | 1.30 g/cc    | 0.0470 lb/in <sup>3</sup> | Silicone Property; Arlon SQA-TMS-024 |
| Thickness           | 38.1 microns | 1.50 mil                  | Interleave                           |
|                     | 76.2 microns | 3.00 mil                  | Carrier; Arlon SQA-TMS-003           |
|                     | 203 microns  | 8.00 mil                  | Overall; Arlon SQA-TMS-003           |
|                     | 203 microns  | 8.00 mil                  | Side 1; Arlon SQA-TMS-003            |

| Mechanical Properties | Metric    | English  | Comments                                    |
|-----------------------|-----------|----------|---|
| Hardness, Shore A     | 52        | 52       | Silicone Property; ASTM D2240               |
| Tensile Strength      | 6.37 MPa  | 924 psi  | Silicone Property; ASTM D412                |
| Elongation at Break   | 352 %     | 352 %    | Silicone Property; ASTM D412                |
| Tear Strength         | 15.6 kN/m | 89.0 pli | [ppiw], Die B, Silicone Property; ASTM D624 |

| 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   | 52.17 kV/mm | 1325 kV/in | ASTM D149 |

| Processing Properties | Metric  | English   | Comments                   |
|-----------------------|---------|-----------|----------------------------|
| Cure Time             | 120 min | 2.00 hour | Recommended Postcure Cycle |

| Processing Properties | @Temperature 204 °C<br>Metric | @Temperature 400 °F<br>English | Comments                 |
|-----------------------|-------------------------------|--------------------------------|--------------------------|
| Shelf Life            | 60.0 Month                    | 60.0 Month                     | From date of manufacture |
|                       | @Temperature 21.1 °C          | @Temperature 70.0 °F           |                          |

| Descriptive Properties        | Value   | Comments          |
|-------------------------------|---------|-------------------|
| Color                         | Natural |                   |
| Total Product Weight (oz/yd2) | 7.5     | Arlon SQA-TMS-025 |

## Contact Songhan Plastic Technology Co.,Ltd.

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