

## Arlon 31560R015 0.015" (0.381 mm) Uncured Silicone Rubber on Release Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction: Interleave: PolyethyleneProduct: Uncured Silicone Rubber Release Carrier: HDPE Carrier 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-31560R015-0015-0381-mm-Uncured-Silicone-Rubber-on-Release-Carrier.php](http://www.lookpolymers.com/polymer_Arlon-31560R015-0015-0381-mm-Uncured-Silicone-Rubber-on-Release-Carrier.php)

| Physical Properties | Metric       | English                   | Comments                             |
|---------------------|--------------|---------------------------|--------------------------------------|
| Density             | 1.20 g/cc    | 0.0434 lb/in <sup>3</sup> | Silicone Property; Arlon SQA-TMS-024 |
| Thickness           | 76.2 microns | 3.00 mil                  | Interleave                           |
|                     | 178 microns  | 7.00 mil                  | Carrier; Arlon SQA-TMS-003           |
|                     | 381 microns  | 15.0 mil                  | Overall; Arlon SQA-TMS-003           |
|                     | 381 microns  | 15.0 mil                  | Side 1; Arlon SQA-TMS-003            |

| Mechanical Properties | Metric    | English | Comments                            |
|-----------------------|-----------|---------|-------------------------------------|
| Hardness, Shore A     | 45        | 45      | Silicone Property; ASTM D2240       |
| Tensile Strength      | 6.07 MPa  | 880 psi | Silicone Property; ASTM D412        |
| Elongation at Break   | 650 %     | 650 %   | Silicone Property; ASTM D412        |
| Tear Strength         | 22.8 kN/m | 130 pli | 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   | 16.9 kV/mm | 430 kV/in | Arlon-SQA-TMS-020 |

| Processing Properties | Metric              | English             | Comments                   |
|-----------------------|---------------------|---------------------|----------------------------|
| Cure Time             | 120 min             | 2.00 hour           | Recommended Postcure Cycle |
|                       | @Temperature 204 °C | @Temperature 400 °F |                            |

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

| Descriptive Properties        | Value | Comments          |
|-------------------------------|-------|-------------------|
| Color                         | Red   |                   |
| Total Product Weight (oz/yd2) | 10.2  | Arlon SQA-TMS-025 |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China