

## Arlon 32210A005 0.005" (0.127 mm) Uncured Fluorosilicone Rubber on Polyester Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction: Interleave: PolyethyleneSide 1: Uncured Fluorosilicone RubberCarrier: PolyesterThis 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-32210A005-0005-0127-mm-Uncured-Fluorosilicone-Rubber-on-Polyester-Carrier.php](http://www.lookpolymers.com/polymer_Arlon-32210A005-0005-0127-mm-Uncured-Fluorosilicone-Rubber-on-Polyester-Carrier.php)

| Physical Properties | Metric       | English                   | Comments                             |
|---------------------|--------------|---------------------------|--------------------------------------|
| Density             | 1.44 g/cc    | 0.0520 lb/in <sup>3</sup> | Silicone Property; Arlon SQA-TMS-024 |
| Thickness           | 76.2 microns | 3.00 mil                  | Interleave                           |
|                     | 127 microns  | 5.00 mil                  | Overall; Arlon SQA-TMS-003           |
|                     | 127 microns  | 5.00 mil                  | Side 1; Arlon SQA-TMS-003            |
|                     | 127 microns  | 5.00 mil                  | Carrier; Arlon SQA-TMS-003           |

| Mechanical Properties | Metric    | English  | Comments                            |
|-----------------------|-----------|----------|-------------------------------------|
| Hardness, Shore A     | 75        | 75       | Silicone Property; ASTM D2240       |
| Tensile Strength      | 7.453 MPa | 1081 psi | Silicone Property; ASTM D412        |
| Elongation at Break   | 83 %      | 83 %     | Silicone Property; ASTM D412        |
| Tear Strength         | 7.19 kN/m | 41.0 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   | 51.81 kV/mm | 1316 kV/in | ASTM D149 |

| 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 177 °C | @Pressure 50.0 psi,<br>Temperature 350 °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                         | Clear      | Carrier                                         |
|                               | Light Gray |                                                 |
| Fuel Resistance               | 0.118      | Fuel CM85, ASTM D471 (tested at 65°C for 48 hr) |
|                               | 0.139      | Fuel A, ASTM D471 (tested at 20°C for 24 hr)    |
|                               | 0.269      | Fuel C, ASTM D471 (tested at 65°C for 48 hr)    |
| Total Product Weight (oz/yd2) | 8.5        | Arlon SQA-TMS-025                               |

## Contact Songhan Plastic Technology Co.,Ltd.

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