

Arlon R33682C045 0.045" (1.14 mm) Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction:Side 1: Cured Silicone Rubber 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-R33682C045-0045-114-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------------|-----------------|--|
| Thickness | 76.2 microns | 3.00 mil | Polyethylene, Interleave |
| | 457 microns | 18.0 mil | Prime Coated 162 Style Fiberglass, Substrate |
| | >= 686 microns | >= 27.0 mil | Side 1 |
| | 1040 - 1240 microns | 41.0 - 49.0 mil | Overall |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|-----------------|-----------------|-------------------|
| Hardness, Shore A | 20 - 30 | 20 - 30 | Compound Property |
| Tensile Strength | 6.89 - 8.27 MPa | 1000 - 1200 psi | Compound Property |
| Elongation at Break | 430 - 520 % | 430 - 520 % | Compound Property |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|--------|---------|------------|
| Maximum Service Temperature, Air | 204 °C | 400 °F | Continuous |

| Processing Properties | Metric | English | Comments |
|-----------------------|------------|------------|--------------------------|
| Shelf Life | 12.0 Month | 12.0 Month | From date of manufacture |

| Descriptive Properties | Value | Comments |
|--------------------------------|-------------|------------------------------------|
| Color | Brown | |
| Total Product Weight (oz/yd2) | 43.4 - 51.4 | |
| Uncoated Fabric Break Strength | 420 lb/in | Fill Direction, Substrate Property |
| | 700 lb/in | Warp Direction, Substrate Property |

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