

Arlon 56606R026M 0.026" (0.660 mm) Uncured/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 Side 2: Uncured Silicone Rubber Product Use: Flexible heater insulation Appearance: Red silicone gum and rubber on fiberglass with polymer release liners 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-56606R026M-0026-0660-mm-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------------|-----------------|---|
| Thickness | 102 microns | 4.00 mil | Side 1 |
| | 127 microns | 5.00 mil | Mylar, Interleave |
| | >= 127 microns | >= 5.00 mil | Side 2 |
| | 406 microns | 16.0 mil | Prime Coated 1564 Fiberglass, Substrate |
| | 610 - 711 microns | 24.0 - 28.0 mil | Overall |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|--------------|-------------|-------------------|
| Hardness, Shore A | 55 - 65 | 55 - 65 | Compound Property |
| Tensile Strength | >= 6.21 MPa | >= 900 psi | Compound Property |
| Elongation at Break | >= 300 % | >= 300 % | Compound Property |
| Peel Strength | >= 1.05 kN/m | >= 6.00 pli | Bond Strength |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|----------|--------------------------|
| Maximum Service Temperature, Air | 220 °C | 428 °F | rated per UL card E54153 |
| Minimum Service Temperature, Air | -56.7 °C | -70.0 °F | |
| Flammability, UL94 | HB | HB | Compound Rated |

| Electrical Properties | Metric | English | Comments |
|-----------------------|---------------|--------------|----------|
| Dielectric Strength | >= 15.7 kV/mm | >= 400 kV/in | |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------|------------|----------|
| | 15.0 min | 0.250 hour | |

| Cure Time Processing Properties | Metric @ Temperature 177 °C | English @ Temperature 350 °F | Recommended Cure Cycle Comments |
|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| | 120 min @Temperature 232 °C | 2.00 hour @Temperature 450 °F | Recommended Postcure Cycle |
| Shelf Life | 6.00 Month @Temperature 23.9 °C | 6.00 Month @Temperature 75.0 °F | From date of manufacture |

| Descriptive Properties | Value | Comments |
|--------------------------------|-----------|------------------------------------|
| Color | Red | |
| Total Product Weight (oz/yd2) | 27 - 33 | |
| Uncoated Fabric Break Strength | 350 lb/in | Fill Direction, Substrate Property |
| | 400 lb/in | Warp Direction, Substrate Property |

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