

Arlon 10842S085 Fully Cured, Unsupported Silicone Rubber

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Product Color: Saddle Brown Interleave: 0.003" Polyethylene This data represents typical values for the production material and should not be used as material specifications. Information provided by ARLON Silicone Technologies Division.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-10842S085-Fully-Cured-Unsupported-Silicone-Rubber.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------|----------|----------|
| Thickness | 2160 microns | 85.0 mil | Overall |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|--------------|-------------|----------|
| Hardness, Shore A | 35 - 45 | 35 - 45 | |
| Tensile Strength | >= 6.89 MPa | >= 1000 psi | |
| Elongation at Break | >= 700 % | >= 700 % | |
| Tear Strength | >= 35.1 kN/m | >= 200 pli | |
| Compression Set | <= 28 % | <= 28 % | |

| Thermal Properties | Metric | English | Comments |
|------------------------------------|----------|----------|----------|
| Maximum Service Temperature, Inert | 232 °C | 450 °F | |
| Minimum Service Temperature, Air | -56.7 °C | -70.0 °F | |

| Descriptive Properties | Value | Comments |
|-------------------------------|-------|----------|
| Total Product Weight (oz/yd2) | 71.5 | |

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