

ACC Magnifoam™ MFSILTEC™ Roll Stock MTI Silicones Silicone Foam

Category : Polymer , Thermoset , Silicone , Silicone Foam

Material Notes:

Part of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ACC-Magnifoam-MFSILTEC-Roll-Stock-MTI-Silicones-Silicone-Foam.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------|----------------------------|------------|
| Density | 0.192 g/cc | 0.00694 lb/in ³ | ASTM D1056 |
| Water Absorption | 3.0 % | 3.0 % | ASTM D570 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------------|---------------------|-----------------------------------|
| Tensile Strength, Yield | 0.207 MPa | 30.0 psi | ASTM D412 |
| Elongation at Break | 100 % | 100 % | ASTM D412 |
| Compressive Strength | 0.0276 MPa | 4.00 psi | 0.25; ASTM D3675 |
| Compression Set | 2.0 % | 2.0 % | at 50%, 22 hrs @ 70°C; ASTM D1056 |
| | <= 10 % | <= 10 % | at 50%, 22 hrs; ASTM D1056 |
| | @Temperature 100 °C | @Temperature 212 °F | |

| Thermal Properties | Metric | English | Comments |
|--------------------|---------|---------|---|
| Flammability, UL94 | V-1 | V-1 | Rating dependent on color and thickness |
| | V-0 | V-0 | Rating dependent on color and thickness |
| Flammability Test | <= 25 | <= 25 | ASTM E162/D 3675 |
| Smoke Density | 1.5 min | 1.5 min | <20; ASTM E662 |
| | 4.0 min | 4.0 min | <50; ASTM E662 |

| Descriptive Properties | Value | Comments |
|--|-------|-------------------------|
| Thermal Resistance, ft ² -h/BTU | 2.5 | ASTM C518 |
| Toxic Gas Emission | Pass | Bombardier SMP 800C |
| Vertical Flammability | Pass | FAR25.83(a)(1)(i) 12sec |
| | Pass | FAR25.83(a)(1)(i) 60sec |

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