



Fuzion™

10 pcf 160 kg/m³

F 10.0

Effective Date: 6/1/10

| PHYSICAL PROPERTIES | | TEST METHOD | IMPERIAL UNITS | VALUES | METRIC UNITS | VALUES |
|--|----------|-------------|-------------------------------|-----------|-------------------|----------|
| Density - Nominal | | ISO 845 | lb/ft ³ | 10 | Kg/m ³ | 160 |
| Tensile Strength | MD | ISO 1798 | PSI | 224.6 | kPa | 1549 |
| Tensile Strength | TD | | | 181.9 | | 1254 |
| Elongation at Break | MD | | % | 157 | % | 157 |
| Elongation at Break | TD | | | 159 | | 159 |
| Compression Deflection | 25% | ISO 844 | PSI | 52.8 | kPa | 364 |
| | 50% | | PSI | 90.8 | | 626 |
| Compression Set | 25% ½hr | ISO 1856 | % (max) | | % (max) | |
| | 25% 24hr | | | | | |
| | 50% ½hr | | | | | |
| | 50% 24hr | | | | | |
| Working Temperature Range | | Internal | °F | -76 / 194 | °C | -60 / 90 |
| Water Absorption 7 days | | Internal | % Vol (max) | 1 | % Vol (max) | 1 |
| Thermal Conductivity at 50°F (10°C) | | ASTM C177 | Btu-in/hr/ft ² /°F | | W/mK | |
| Thermal Conductivity at 104°F (40°C) | | ASTM C177 | Btu-in/hr/ft ² /°F | | W/mK | |
| Flammability | | FMVSS302 | 4"/min | PASS | 100mm/min | PASS |
| Thermal Stability 24 HRS @ 158°F (70°C) | | ISO 2796 | % | 2 | % | 2 |

| PRODUCTION STANDARD SIZES | | | | | |
|---------------------------|-------------|----------------|------------|---------------------|------------------|
| Thickness (inches) | Length (ft) | Width (inches) | Bdft/ Roll | Thickness Tolerance | Linear Tolerance |
| 1/8 | 600 | 60 | 375 | + / - 1/50" | + / - 1.5% |
| 3/16 | 400 | 60 | 375 | + / - 1/50" | + / - 1.5% |
| 1/4 | 300 | 60 | 375 | + / - 1/50" | + / - 1.5% |
| 5/16 | 240 | 60 | 375 | + / - 1/50" | + / - 1.5% |
| 3/8 | 200 | 60 | 375 | + / - 1/50" | + / - 1.5% |
| 1/2 | 150 | 60 | 375 | + / - 1/25" | + / - 1.5% |
| 5/8 | 120 | 60 | 375 | + / - 1/25" | + / - 1.5% |

* 1/8 Material is produced with skin one side and skived one side

| ADDITIONAL ASPECTS |
|---|
| FUZION is a closed cell chemically crosslinked polyethylene foam in continuous roll form. |
| Available in Rolls & Sheets. |
| Maximum width of 72 inches (trimmed) |
| Maximum laminated height up to 2 inches. |
| Tolerances other than the above may be negotiated |
| MSDS sheets available upon request |
| Standard Colors: Gray, Black, Natural |
| MD - machine direction - along the extruder's axis |
| TD - transverse direction - Perpendicular to the extruder's axis. |

Data represents typical values measured on 0.4" thick specimen and should be considered as a guideline only.

Imperial data is converted from the metric results measured by testing according to ISO standards.

The information above on FUZION chemically crosslinked polyethylene foam is presented to the best of our knowledge.