



Fuzion™

1.8 pcf
29 kg/m³

F 1.8

Effective Date: 1/1/2012

| PHYSICAL PROPERTIES | | TEST METHOD | IMPERIAL UNITS | VALUES | METRIC UNITS | VALUES | |
|--|----------|-------------|--------------------------------|-----------|-------------------|----------|----|
| Density - Nominal | | ASTM 3575 | lb/ft ³ | 1.8 | Kg/m ³ | 29 | |
| Tensile Strength | MD | ASTM 3575 | PSI | 42 | kPa | 290 | |
| Tensile Strength | TD | | | 37 | | 255 | |
| Elongation at Break | MD | | % | 165 | % | 165 | |
| Elongation at Break | TD | | | 168 | | 168 | |
| Tear Strength | MD | | lbf/in | 11.5 | kg/m | 206 | |
| Tear Strength | TD | | lbf/in | 12.5 | | 223 | |
| Compression Deflection | 25% | | ASTM 3575 | PSI | 5 | kPa | 35 |
| | 50% | | | PSI | 14 | | 97 |
| Compression Set | 25% 24hr | ASTM 3575 | % | 6 | % | 6 | |
| | 50% 24hr | | | 25 | | 25 | |
| Working Temperature Range | | Internal | °F | -76 / 194 | °C | -60 / 90 | |
| Water Absorption 24 (hrs.) | | Internal | % Vol (max) | 1 | % Vol (max) | 1 | |
| Thermal Conductivity at 50°F (10°C) | | ASTM C177 | Btu-in/hr./ft ² /°F | 0.26 | W/mK | 0.038 | |
| Thermal Conductivity at 104°F (40°C) | | ASTM C177 | Btu-in/hr./ft ² /°F | 0.29 | W/mK | 0.042 | |
| Hardness Shore OO Scale | | ASTM 2240 | Shore-OO | 55 | Shore-OO | 55 | |
| Flammability >0.25" | | FMVSS 302 | 4"/min | PASS | 100mm/min | PASS | |
| Thermal Stability 24 HRS @ 158°F (70°C) | | ASTM 3575 | % | <2 | % | <2 | |



| ADDITIONAL PRODUCT GUIDELINES |
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| FUZION is a closed cell chemically cross-linked polyethylene foam in continuous roll form and sheets |
| Maximum width of 80 inches (trimmed) in roll form |
| Surface enhancements available upon request |
| Maximum laminated height up to 2 inches |
| Tolerances other than the above may be negotiated |
| MSDS sheets available on line at www.palzivna.com |
| Standard Colors available |
| 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 cross-linked polyethylene foam is presented to the best of our knowledge.