

PORON® 4701-30 Very Soft (Unsupported)

| PROPERTY | TEST METHOD | TYPICAL VALUE | | |
|---|--|--|--|--|
| PHYSICAL | | | | |
| Density, kg /m ³ (lb / ft ³) | ASTM D 3574-95, Test A | 240 (15) | 320 (20) | 400 (25) |
| Tolerance, % | | ± 10 | | |
| Thickness, mm (inches) | | 4.78 (0.188) 6.35 (0.250) 9.53 (0.375) 12.7 (0.500) | 1.57 (0.062) 2.36 (0.093) 3.18 (0.125) | 0.79 (0.031) 0.89 (0.035) 1.14 (0.045) |
| Tolerance, % | | ± 10 | | ± 15 |
| Standard Color (Code) | | Black (04) | | |
| Compression Force Deflection, kPa (psi) | ISO 6916-1 30mm/min Strain Rate Force Measured @ 25% Deflection | 24 (4) | 50 (7) | 69 (10) |
| Compression Set, % max. | ISO 1856 Test A @ 70°C | 0.7% | 1.2% | 1.5% |
| Dimensional Stability, % max. change | 22 hrs @ 80°C in a forced-air oven | ± 1 | | |
| ELECTRICAL | | | | |
| Dielectric Strength, kV/mm | IEC 243-1 | 1.9 | 2.6 | 2.9 |
| Volume Resistivity, ohm-cm | IEC 60093 | 4.21E+12 | 5.75E+12 | 2.63E+13 |
| Surface Resistivity, ohm/sq | IEC 60093 | 1.21E+13 | 1.13E+13 | 1.77E+13 |
| TEMPERATURE RESISTANCE | | | | |
| Recommended Constant Use, max. | UL 157 | 90°C | | |
| Recommended Intermittent Use, max. | UL 157 | 121°C | | |
| Embrittlement | ISO 974(E) | -55°C | | |
| FLAMMABILITY AND OUTGASSING | | | | |
| Flammability | UL 94HBF (File E20305) Min. thickness Passed, mm (in) | 4.78 (0.188) | 2.36 (0.093) | N/A |
| | ISO 3795, DIN 75200 Min. thickness Passed, mm (in) Max. burn rate (mm/min) | 4.78 (0.188) 36 | 1.57 (0.062) 98 | N/A |
| | MVSS 302 (Pass ≥) Min. thickness Passed, mm (in) | 4.78 (0.188) | 1.57 (0.062) | 1.57 (0.062) |
| | Fogging | ISO 6452, DIN 75201 | PASS | PASS |
| ENVIRONMENTAL | | | | |
| Gasketing and Sealing | UL JMST2 (Consisting of UL50 and UL508) | File MH15464 | | |

Notes:

1. All metric conversions are approximate.
2. Additional technical information is available.
3. Typical values should not be used for specification limits.

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