

PORON EVExtend®

4701-71

| PROPERTY | TEST METHOD | 71-20118 | 71-25118 |
|--|--|--------------------|-----------------|
| PHYSICAL | | | |
| Density, kg/m ³ (lb./ft ³) | ASTM D3574-95, Test A | 320 (20) | 400 (25) |
| Tolerance, % | --- | ± 10 | |
| Thickness, mm (inches) | --- | 3.0 (0.118) | 3.0 (0.118) |
| Tolerance, % | --- | ± 10 | |
| Standard Color (Code) | --- | Spring Green (112) | |
| Compression Force Deflection, Typical kPa (psi) | 0.51 cm/min (0.2"/min) Strain Rate Force Measured @ 25% Deflection | 103-207 (15-30) | 207-345 (30-50) |
| Compression Set, % max. | ASTM D3574-95 Test D @ 70°C (158°F) | 10 | |
| Tensile Strength, min. kPa, (psi) | ASTM D3574-95 Test E | 1379 (200) | 1723 (250) |
| Tensile Elongation, % min. | ASTM D3574-95 Test E | 300 | |
| Tear Strength, pli min. | ASTM D264-91 Die C | 20 | 30 |
| ELECTRICAL AND THERMAL | | | |
| Thermal Conductivity, W/M-K (BTU-in./hr/ft ² -F) | ASTM C518-98 | 0.075 (0.52) | 0.079 (0.55) |
| Dielectric Strength, volts/mil | ASTM D150 Measurement @ 22°C (72°F) Relative Humidity, 50% for 24 hours | 60 | 78 |

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|-----------------------------------|--------------|----------|---------------|
| TEMPERATURE RESISTANCE | | | |
| Recommended Constant Use, max | SAE J-2236 | | 90°C (194°F) |
| Recommended Intermittent Use, max | --- | | 121°C (250°F) |
| Embrittlement | ASTM D746-98 | | -40°C (104°F) |

Notes:

- Thickness availability may vary by construction type. Contact your local sales or customer service representative
- All metric conversions are approximate
- Additional technical information is available
- Typical values should not be used for specification limits

Graph 1: Compression Force Deflection Full Range (ASTM D1056)

