

# PORON EVExtend®

## 4701-71

| PROPERTY                                                    | TEST METHOD                                                                | 71-20118           | 71-25118        |
|-------------------------------------------------------------|----------------------------------------------------------------------------|--------------------|-----------------|
| <b>PHYSICAL</b>                                             |                                                                            |                    |                 |
| Density, kg/m <sup>3</sup> (lb./ft <sup>3</sup> )           | 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<br>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              |
| <b>ELECTRICAL AND THERMAL</b>                               |                                                                            |                    |                 |
| Thermal Conductivity, W/M-K (BTU-in./hr/ft <sup>2</sup> -F) | ASTM C518-98                                                               | 0.075 (0.52)       | 0.079 (0.55)    |
| Dielectric Strength, volts/mil                              | ASTM D150 Measurement @ 22°C (72°F)<br>Relative Humidity, 50% for 24 hours | 60                 | 78              |

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| <b>TEMPERATURE RESISTANCE</b>     |              |               |          |
| 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 (-40°F) |          |

**Notes:**

- Thickness availability may vary by construction type.
- All metric conversions are approximate
- Additional technical information is available
- Typical values should not be used for specification limits

For more information and to request a sample, please contact our team of experts at [solutions@rogerscorp.com](mailto:solutions@rogerscorp.com)

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

