

Preliminary Product Properties

**PORON® 4790-92-12020 P (Supported)
 Extra Soft – Slow Rebound**

| PROPERTY | TEST METHOD | VALUE |
|--|---|--|
| PHYSICAL | | |
| Density, lb./ft ³ (kg/m ³) Tolerance, lb/ft ³ (kg/m ³) | ASTM D 3574-95 Test A | 12 (192) ± 2 (32) |
| Thickness, inches (mm) Tolerance, inches (mm) | | 0.020 (0.50) ± 0.003 (0.08) |
| Standard Color (Code) | | Black (04) |
| Compression Force Deflection, Range psi (kPa), Typical psi (kPa) | 0.2" / min. Strain Rate Force Measured @ 25% Deflection | 0.25 - 2.5 (2 - 17) - |
| Compression Set, % max. | ASTM D 1667-90 Test D @ 73°F (23°C) ASTM D 3574-95 Test D @ 158°F (70°C) | 5 10 |

The slightly dimpled surface appearance on the material is normal. This material meets all the performance standards and specifications of this data sheet.

The data mentioned above represents results of testing the PORON® urethane foam only. PORON cellular urethane materials are supported by being directly cast onto 2 mil polyester film. Please see physical property data for the film as represented by manufacturer below.

Supporting Material - Clear Polyester Film (PET)

| PROPERTY | TEST METHOD | VALUE |
|---|------------------|---------------------|
| Density, lb./ft ³ (kg/m ³) | ASTM D 1505 | 87 (1395) |
| Tensile Strength, Machine Direction, psi (kg/cm ²) | ASTM D 882 | 30,000 (2,110) |
| Ultimate Elongation, % | ASTM D 882 | 150 |
| Shrinkage, Machine Direction, % (Cross-machine Direction) | 39 min. at 150°C | 1.2 (0.0) |
| Yield Strength (F5), psi (kg/cm ²) | ASTM D 882 | 15,000 (1,050) |
| Coefficient of Friction A/B, Kinetic | ASTM D 1894 | 0.40 |
| Modulus, Machine Direction, psi (kg/cm ²) | ASTM D 882 | 500,000 (35,200) |

The information contained in this data sheet is intended to assist you in designing with Rogers PORON Urethane Foam. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown on this data sheet will be achieved by a user for a particular purpose. The user is responsible for determining the suitability of Rogers PORON Urethane Foam for each application.

Notes: All metric conversions are approximate.
 Additional technical information is available.