

## PORON® 4790-92-12020-04P Extra Soft–Slow Rebound-Supported - Data Sheet

| PROPERTY   | TEST METHOD  | VALUE                    |
|--|--|--------------------------|
| <b>PHYSICAL</b>  |  |                          |
| Density, kg/m <sup>3</sup><br>(lb./ft <sup>3</sup> )                   | ASTM D 3574-95, Test A   | 192<br>(12)              |
| Tolerance, kg/m <sup>3</sup> (lb/ft <sup>3</sup> )                     |  | 32 (±2)                  |
| Thickness, mm<br>(inches)  |  | 0.50<br>(0.020)          |
| Tolerance, mm (inches)   |  | 0.08 (± 0.003)           |
| Standard Color (Code)  |  | Black (04)               |
| Compression Force Deflection<br>Range, kPa (psi),<br>Typical kPa (psi) | 0.51cm/min (0.2" / min) Strain Rate<br>Force Measured @ 25% Deflection | 2 – 17 (0.25 - 2.5)<br>- |
| Compression Set, % max.  | ASTM D 3574-95<br>Test D @ 23°C (73°F)                                 | 2                        |
|  | ASTM D 3574-95<br>Test D @70°C (158°F)                                 | 10                       |

The data mentioned above represents results of testing the PORON polyurethane foam only. PORON cellular polyurethane material is supported by being directly cast onto 2 mil polyester film. By casting directly onto the film, a permanent bond is created. Please see physical property data for the film as represented by manufacturer below.

### Supporting Material - Clear Polyester Film (PET)

| PROPERTY   | TEST METHOD              | VALUE                           |
|--|--------------------------|---------------------------------|
| Coefficient of Friction A/B, (Kinetic)               | ASTM D 1894              | 0.40                            |
| Density, kg /m <sup>3</sup> (lb. / ft <sup>3</sup> ) | ASTM D 1505              | 1.395 (87.1)                    |
| Modulus, MD, kPa (psi)                               | ASTM D 882               | 3.5 x 10 <sup>6</sup> (500,000) |
| Shrinkage, MD, %, (TD)                               | 39 min. at 150°C (302°F) | 1.2 (0.0)                       |
| Tensile Strength, MD, kPa (psi)                      | ASTM D 882               | 2.1 x 10 <sup>5</sup> (30,000)  |
| Ultimate Elongation                                  | ASTM D 882               | 150                             |
| Yield Strength (F5), kPa (psi)                       | ASTM D 882               | 1.0 x 10 <sup>5</sup> (15,000)  |

Notes:

- - Represents testing not available at this time.
- All metric conversions are approximate.
- Additional technical information is available.
- Typical values should not be used for specification limits.

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