



**PORON®** Urethane Foams

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*Preliminary Product Properties*

**PORON® 4790-92-30012 P (Supported)  
 Extra Soft – Slow Rebound**

PROPERTY	TEST METHOD	VALUE
<b>PHYSICAL</b>		
<b>Density</b> , lb./ft <sup>3</sup> (kg/m <sup>3</sup> )	ASTM D 3574-95 Test A	30 (480)
<b>Tolerance</b> , %		<b>± 10</b>
<b>Thickness</b> , inches (mm)		0.012 (0.30)
<b>Tolerance</b> , inches (mm)		<b>± 0.003 (0.08)</b>
<b>Standard Color</b> (Code)		Black (04)
<b>Compression Force Deflection</b> , Range psi (kPa), <b>Typical psi (kPa)</b>	0.2" / min. Strain Rate Force Measured @ 25% Deflection	2.4 - 13.6 (16 - 94) -
<b>Compression Set</b> , % max.	ASTM D 1667-90 Test D @ 73°F (23°C) ASTM D 3574-95 Test D @ 158°F (70°C)	4 10

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
<b>Density</b> , lb./ft <sup>3</sup> (kg/m <sup>3</sup> )	ASTM D 1505	87 (1395)
<b>Tensile Strength</b> , Machine Direction, psi (kg/cm <sup>2</sup> )	ASTM D 882	30,000 (2,110)
<b>Ultimate Elongation</b> , %	ASTM D 882	150
<b>Shrinkage</b> , Machine Direction, % (Cross-machine Direction)	39 min. at 150°C	1.2 (0.0)
<b>Yield Strength (F5)</b> , psi (kg/cm <sup>2</sup> )	ASTM D 882	15,000 (1,050)
<b>Coefficient of Friction A/B</b> , Kinetic	ASTM D 1894	0.40
<b>Modulus</b> , Machine Direction, psi (kg/cm <sup>2</sup> )	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. 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 for each application.

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