



Product Data Sheet



PORON® 4790-92-30012-04P Extra Soft Slow Rebound Supported

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Density, kg/m ³ (lb./ft ³)	ASTM D3574-95, Test A	480 (30)
Tolerance, %		± 10
Thickness, mm (inches)		0.30 (0.012)
Tolerance, mm, (inches)		0.08 (± 0.003)
Standard Color (Code)		Black (04)
Compression Force Deflection, kPa (psi)	0.51 cm/min (0.2"/min) Strain Rate Force Measured @ 25% Deflection	16 - 94 (2.4 - 13.6)
Compression Set, % max	ASTM D3574-95 Test D @ 23°C (73°F)	4
	ASTM D3574-95 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 0.05mm (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 D1894	0.40
Density, kg/m ³ (lb./ft ³)	ASTM D1505	1395 (87.1)
Modulus, MD, kPa (psi)	ASTM D882	3.5 x 10 ⁶ (500,000)
Shrinkage, MD, % (TD)	39 min. @ 150°C (302°F)	1.2 (0.0)
Tensile Strength, MD, kPa (psi)	ASTM D882	2.1 x 10 ⁵ (30,000)
Ultimate Elongation, %	ASTM D882	150
Yield Strength (F5), kPa (psi)	ASTM D882	1.0 x 10 ⁵ (15,000)

Notes:

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



120 Seegers Ave, Elk Grove Village, IL 60007

Phone: 847.593.5630

srpco.com

info@srpco.com



The information contained in this Data Sheet is intended to assist you in designing with Rogers' Elastomeric Material Solutions. 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 in this Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of PORON Polyurethane Foam Materials for each application. The Rogers logo, PORON, and the PORON logo are trademarks of Rogers Corporation or one of its subsidiaries. © 2025 Rogers Corporation. All rights reserved.
0825-PDF • Publication #17-083PC www.rogerscorp.com