Product Data Sheet

PORON®
4790-92-12059-04P
Extra Soft Slow Rebound
Supported

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Density, kg/m³ (lb./ft³)	ASTM D3574-95, Test A	192 (12)
Tolerance, kg/m³ (lb./ft³)		32 (± 2)
Thickness, mm (inches)		1.50 (0.059)
Tolerance, %		± 10
Standard Color (Code)		Black (04)
Compression Force Deflection, kPa (psi)	0.51 cm/min (0.2"/min) Strain Rate Force Measured @ 25% Deflection	2 - 17 (0.25 - 2.5)
Typical kPa (psi)		-
Compression Set, % max	ASTM D3574-95 Test D @ 23°C (73°F)	2
	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/m³ (lb/ft³)	ASTM D1505	1395 (87.1)
Modulus, MD, kPa (psi)	ASTM D882	3.5×10^6 (500,000)
Shrinkage, MD, % (TD)	39 min. @ 150°C (302°F)	1.2 (0.0)
Tensile Strength, MD, kPa (psi)	ASTM D882	2.1×10^5 (30,000)
Ultimate Elongation, %	ASTM D882	150
Yield Strength (F5), kPa (psi)	ASTM D882	1.0×10^5 (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.

120 Seegers Ave, Elk Grove Village, IL 60007

Phone: 847.593.5630

srpco.com

info@srpco.com

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