ROGERS CORPORATION

PORON® Polyurethanes

Authorized Distributor, Converter, and Fabricator
www.jbc-tech.com

Elastomeric Material Solutions
www.rogerscorp.com

Typical Product Properties

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

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Density, kg/m^3 (lb./ft^3) Tolerance, kg/m^3 (lb/ft^3)	ASTM D 3574-95, Test A	192 (12) 32 (±2)
Thickness, mm (inches) Tolerance, mm (inches)		0.50 (0.020) 0.08 (± 0.003)
Standard Color (Code)		Black (04)
Compression Force Deflection Range, kPa (psi), Typical kPa (psi)	 0.51cm/min (0.2" / min) Strain Rate Force Measured @ 25% Deflection	 2 – 17 (0. 25 - 2.5) -
Compression Set, % max.	ASTM D 3574-95 Test D @ 23°C (73°F) ASTM D 3574-95 Test D @70°C (158°F)	 2 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^3 (lb. / ft^3)	ASTM D 1505	1.395 (87.1)
Modulus, MD, kPa (psi)	ASTM D 882	3.5 x 10^6 (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 10^5 (30,000)
Ultimate Elongation	ASTM D 882	150
Yield Strength (F5), kPa (psi)	ASTM D 882	1.0 x 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.