

PORON® 4701-15

Soft Seal Series

PROPERTY	TEST METHOD	VALUE		
PHYSICAL				
Density, kg/m ³ (lb./ft ³)	ASTM D3574-95, Test A	104 (6.5)		
Tolerance, kg/m ³ (lb./ft ³)		16 (± 1)		
Thickness, mm (inches)		0.53 (0.021)	0.75 (0.030)	1.00 (0.039)
Tolerance, mm (inches)		0.10 (± 0.004)		
Standard Color (Code)		Black (04)		
Compression Force Deflection, kPa (psi)	0.51 cm/min (0.2"/min) Strain Rate Force Measured @ 25% Deflection	2.00 (0.29)	2.41 (0.35)	4.62 (0.67)
Compression Set, % max	ASTM D3574-95 Test D @ 70°C (158°F)	15		
Thermal Conductivity, W/mK	Rogers Internal (Typical Value)	0.06		

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.

For more information and to request a sample, please contact our team of experts at solutions@rogerscorp.com