

PORON® 4701-15 Improved Soft Seal Series

Enhanced Surface Toughness, Reliable Materials for Thinner Designs

- Increased Surface Toughness, Improved Yields
- Excellent Compressibility and Conformability
- Long Term Protection and Sealing

PROPERTY	TEST METHOD	VALUE		
PHYSICAL				
Density, lb / ft ³ (kg / m ³)	ASTM D 3574-95, Test A	6.5 (104)		
Tolerance, lb / ft ³ (kg / m ³)		± 1 (16)		
Thickness, inches		0.021	0.030	0.039
(mm)		(0.53)	(0.75)	(1.00)
Tolerance, inches (mm)		± 0.004 (0.10)		
Compression Force Deflection, Typical value, psi (kPa)	0.2" / min. Strain Rate Force Measured @ 25% Deflection	0.29 (2.00)	0.35 (2.41)	0.67 (4.62)
Compression Set, % max.	ASTM D 3574-95 Test D @ 158°F (70°C)	10		
Standard Color (Code)		Soft Seal Gray (90)		

With the exception of the thickness measurement, the data mentioned above represents results of testing the PORON urethane foam only. This product is supported on a 2-mil (0.05mm) polyester film (PET) creating a permanent bond. Please see physical property data for the film as represented by the manufacturer below.

Supporting Material - Clear Polyester Film (PET)

PROPERTY	TEST METHOD	VALUE
Coefficient of Friction A/B, (Kinetic)	ASTM D 1894	0.40
Density, lb / ft ³ (g/cm ³)	ASTM D 1505	87.1 (1.395)
Modules, MD, psi (kg/cm ²)	ASTM D 882	500,000 (35,200)
Shrinkage, MD, %, (TD)	39 min. at 150°C	1.2 (0.0)
Tensile Strength, MD, psi (kg/cm ²)	ASTM D 882	30,000 (2,110)
Ultimate Elongation, %	ASTM D 882	150
Yield Strength (F5), psi (kg/cm ²)	ASTM D 882	15,000 (1,050)

Notes: All metric conversions are approximate. Additional technical information is available on our website.

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