

PORON® ShockSeal™ Foam: Handheld Grades (4790-79)



Extreme Impact Protection, Ultimate Reliability.

- Specifically engineered to protect sensitive components from damage caused by impact
- Consistent cushioning performance through repeated impacts
- Excellent compression set resistance

PROPERTY	TEST METHOD	VALUE		
Density, kg/m ³ (lb./ft ³) Tolerance	ASTM D 3574-95 Test A	9 (144) ± 10%	12 (192) ± 10%	
Compression Force Deflection, Typical Value in psi (kPa)	0.2" / min. Strain Rate Force Measured @ 25% Deflection	2 (13.7)	3 (20.7)	
Thickness, inches (mm) Tolerance, inches (mm)		0.021 (0.53) ± .004 (0.10)	0.030 (0.76) ± .004 (0.10)	0.039 (1.00) ± .004 (0.10)
Maximum Compression Set	ASTM D 1667-90 Test D @ 73°F (23°C)	5%		2%
	ASTM D 3574-95 Test D @ 158°F (70°C)	10%		
Standard Color (Code)		Black (04)		

With the exception of the thickness measurement, the data mentioned above represents results of testing PORON foam only. These products are 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, g/cm ³	ASTM D 1505	1.395
Modulus, 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)