

## PORON<sup>®</sup> ShockSeal<sup>™</sup> 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/m³ (lb./ft³) 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)	0.0 (0.1 ±.0 (0.1	130 76) 104 10)	0.039 (1.00) ±.004 (0.10)
	ASTM D 1667-90 Test D @ 73°F (23°C)	5%	5% 2%		2%
Maximum Compression Set	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 <sup>3</sup>	ASTM D 1505	1.395
Modulus, MD, psi (kg/cm²)	ASTM D 882	500,000 (35,200)
Shrinkage, MD, %, (TD)	39 min. at 150°C	1.2 (0.0)
Tensile Strength, MD, psi (kg/cm²)	ASTM D 882	30,000 (2,110)
Ultimate Elongation	ASTM D 882	150
Yield Strength (F5), psi (kg/cm²)	ASTM D 882	15,000 (1,050)



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