ROGERS CORPORATION

PORON® Urethane Foams

High Performance Foams Division
www.rogerscorp.com

PRELIMINARY

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, lb./ft^3 (kg/m^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)