ROGERS CORPORATION

PORON® Urethane Foams

High Performance Foams Division
www.rogerscorp.com

Effective: December 2010
Supersedes: December 2009

Product Data Sheet

PORON® 4790-92-09 (Supported)
Extra Soft – Slow Rebound

PROPERTY	TEST METHOD	VALUE
	PHYSICAL	
Density, lb./ft³ (kg/m³) **Tolerance, %**	ASTM D 3574-95 Test A	**9** (144) ± **10%**
Thickness, inches (mm) **Tolerance, inches** (mm)		**0.020** (0.50) | **0.030** (0.76) | **0.039** (1.00) ± **0.0039** (0.10)
Standard Color (Code)		**Black** (04)
Compression Force Deflection, Range in **psi** (kPa)	0.2" / min. Strain Rate Force Measured @ 25% Deflection	**0.25 - 1.35** (1.7-9.3)
Compression Set, % max.	ASTM D 3574-95 Test D @ 158°F (70°C)	**10**

The data mentioned above represents results of testing the PORON urethane foam only. This product is supported by being directly cast onto 2 mil (0.05mm) polyester film (PET).

Supporting Material - Clear Polyester Film (PET)

PROPERTY	TEST METHOD	VALUE
Coefficient of Friction A/B, (Kinetic)	ASTM D 1894	**0.40**
Density, **lb / ft³** (g/cm³)	ASTM D 1505	**87.1** (1.395)
Modules, 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)

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