



High Performance Foams Division
www.rogerscorp.com

Authorized Distributor,
Converter, and Fabricator
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PORON® Urethane Foams

Effective: December 2010
Supersedes: December 2009

Product Data Sheet

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

PROPERTY	TEST METHOD	VALUE		
<i>PHYSICAL</i>				
Density, lb./ft ³ (kg/m ³) 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)
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 / 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.

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