

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.

The information contained in this Data Sheet is intended to assist you in designing with Rogers' High Performance Foam Materials. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown in this Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers PORON Urethane Foams for each application. The Rogers logo, The world runs better with Rogers, and PORON are licensed trademarks of Rogers Corporation. © 2005, 2009,2010 Rogers Corporation, All rights reserved. Printed in U.S.A., 1210-PDF Publication #17-145