

Typical Product Properties

PORON® 4790-92-12030-04P Extra Soft-Slow Rebound-Supported – Data Sheet

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Density, kg/m ³ (lb./ft ³)	ASTM D 3574-95, Test A	192 (12)
Tolerance, kg/m ³ (lb./ft ³)		32 (± 2)
Thickness, mm (inches)		0.75 (0.030)
Tolerance, mm (inches)		0.08 (± 0.003)
Standard Color (Code)		Black (04)
Compression Force Deflection Range kPa (psi), Typical kPa (psi)	0.51 cm/min (0.2" / min) Strain Rate Force Measured @ 25% Deflection	2 – 17 (0.25 - 2.5) -
Compression Set, % max.	ASTM D 3574-95 Test D @ 23°C (73°F) ASTM D 3574-95 Test D @ 70°C (158°F)	2 10

The data mentioned above represents results of testing the PORON polyurethane foam only. PORON cellular polyurethane material is supported by being directly cast onto 2 mil polyester film. By casting directly onto the film, a permanent bond is created. Please see physical property data for the film as represented by manufacturer below.

Supporting Material - Clear Polyester Film (PET)

PROPERTY	TEST METHOD	VALUE
Coefficient of Friction A/B, (Kinetic)	ASTM D 1894	0.40
Density, kg /m ³ (lb. / ft ³)	ASTM D 1505	1.395 (87.1)
Modulus, MD, kPa (psi)	ASTM D 882	3.5 x 10 ⁶ (500,000)
Shrinkage, MD, %, (TD)	39 min. at 150°C (302°F)	1.2 (0.0)
Tensile Strength, MD, kPa (psi)	ASTM D 882	2.1 x 10 ⁵ (30,000)
Ultimate Elongation	ASTM D 882	150
Yield Strength (F5), kPa (psi)	ASTM D 882	1.0 x 10 ⁵ (15,000)

Notes:

- - Represents testing not available at this time.
- All metric conversions are approximate.
- Additional technical information is available.
- Typical values should not be used for specification limits

The information contained in this Data Sheet is intended to assist you in designing with Rogers' Elastomeric Material Solutions. 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 Polyurethane Foam Materials for each application. The Rogers logo, Helping power, protect, connect our world, and PORON are trademarks of Rogers Corporation or one of its subsidiaries. © 2003-2005, 2009, 2016, 2017 Rogers Corporation, All rights reserved. Printed in U.S.A., 1217-PDF, Publication #17-115

Helping power, protect, connect our world™