

**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		
<b>Density, lb./ft<sup>3</sup></b> (kg/m <sup>3</sup> )	ASTM D 3574-95 Test A	<b>9</b> (144)	<b>12</b> (192)	
<b>Tolerance</b>		<b>± 10%</b>	<b>± 10%</b>	
<b>Compression Force Deflection,</b> Typical Value in <b>psi</b> (kPa)	0.2" / min. Strain Rate Force Measured @ 25% Deflection	<b>2</b> (13.7)	<b>3</b> (20.7)	
<b>Thickness, inches</b> (mm)		<b>0.021</b> (0.53)	<b>0.030</b> (0.76)	<b>0.039</b> (1.00)
<b>Tolerance, inches</b> (mm)		<b>± .004</b> (0.10)	<b>± .004</b> (0.10)	<b>± .004</b> (0.10)
<b>Maximum Compression Set</b>	ASTM D 1667-90 Test D @ 73°F (23°C)	5%		2%
	ASTM D 3574-95 Test D @ 158°F (70°C)	10%		
<b>Standard Color</b> (Code)		<b>Black</b> (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
<b>Coefficient of Friction A/B, (Kinetic)</b>	ASTM D 1894	<b>0.40</b>
<b>Density, g/cm<sup>3</sup></b>	ASTM D 1505	<b>1.395</b>
<b>Modulus, MD, psi</b> (kg/cm <sup>2</sup> )	ASTM D 882	<b>500,000</b> (35,200)
<b>Shrinkage, MD, %, (TD)</b>	39 min. at 150°C	<b>1.2</b> (0.0)
<b>Tensile Strength, MD, psi</b> (kg/cm <sup>2</sup> )	ASTM D 882	<b>30,000</b> (2,110)
<b>Ultimate Elongation</b>	ASTM D 882	<b>150</b>
<b>Yield Strength (F5), psi</b> (kg/cm <sup>2</sup> )	ASTM D 882	<b>15,000</b> (1,050)

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 on the data sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers' High Performance Foam Materials for each application. The Rogers logo, The world runs better with Rogers., ShockSeal and PORON are licensed trademarks of Rogers Corporation. © 2009, 2010 Rogers Corporation, All rights reserved. Printed in U.S.A., 1210-PDF Publication #17-202