



PORON® Polyurethanes

Elastomeric Material Solutions  
www.rogerscorp.com

Typical Product Properties

PORON® ShockSeal™ Foam: General Industrial Grades (4790-79) – Data Sheet

PROPERTY	TEST METHOD	VALUE		
<b>PHYSICAL</b>				
Density, kg /m <sup>3</sup> (lb. / ft <sup>3</sup> )	ASTM D 3574-95, Test A	192 (12)	240 (15)	320 (20)
Tolerance, %		± 10		
Thickness, mm (inches)		2.03-9.53 (0.080-0.375)	3.18-12.70 (0.125-0.500)	1.57-4.78 (0.062-0.188)
Tolerance, %		± 10		
Standard Color (Code)		Black (04)		
Compression Force Deflection, kPa (psi)	0.51 cm/min (0.2" / min) Strain Rate Force Measured @ 25% Deflection	7- 35 (1 – 5)	14 – 69 (2 – 10)	28 – 110 (4 – 16)
Compression Set, % max	ASTM D 3574-95 Test D @ 23°C (73°F) ASTM D 3574-95 Test D @ 70°C (158°F)	5  10		
Tensile Strength, Min. kPa (psi)	ASTM D 3574-75 Test E	207 (30)	414 (60)	689 (100)
Tensile Elongation, % min.	ASTM D 3574-75 Test E	> 145		
Tear Strength, Min. kN/m (pli)	ASTM D 642-91 Die C	0.9 (5)	1.1 (6)	1.8 (10)
<b>FLAMMABILITY</b>				
Flammability, mm (inches)	MVSS 302 (Pass ≥)	6.35 (0.250)	3.18 (0.125)	1.57 (0.062)
<b>ENVIRONMENTAL</b>				
Gasketing and Sealing	UL JMST2 (Consisting of UL50E and UL508)	File MH15464		
Water Absorption, % weight gain	ASTM D 570 – 2hr water immersion @ room temperature	Typical Value 10		

Notes:

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

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