



PORON® Polyurethanes

Elastic Material Solutions  
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Typical Product Properties  
*Based on global test methods*

**PORON® 4790-79 SHOCKSEAL® FOAM**

PROPERTY	TEST METHOD	TYPICAL 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 (0.080) 4.01 (0.158) 9.35 (0.375)	3.18 (0.125) 6.35 (0.250)	1.57 (0.062) 2.36 (0.093)
Tolerance, %		± 10		
Standard Color (Code)		Black (04)		
Compression Force Deflection, kPa (psi)	ISO 6916-1 30mm/min Strain Rate Force Measured @ 25% Deflection	23 (3)	N/A	92 (13)
Compression Set, % max.	ISO 1856 Test A @ 70°C	0.6%	N/A	1.1%
<b>ELECTRICAL</b>				
Dielectric Strength, kV/mm	IEC 243-1	1.7	N/A	2.3
Volume Resistivity, ohm-cm	IEC 60093	7.41E+12	N/A	7.92E+14
Surface Resistivity, ohm/sq	IEC 60093	1.38E+14	N/A	8.73E+14
<b>TEMPERATURE RESISTANCE</b>				
Recommended Constant Use, max.	UL 157	90°C		
Recommended Intermittent Use, max.	UL 157	121°C		
Embrittlement	ISO 974(E)	-38°C		
<b>FLAMMABILITY AND OUTGASSING</b>				
Flammability	UL 94HBF (File E20305) Min. thickness Passed, mm (in)	N/A	N/A	N/A
	ISO 3795, DIN 75200 Min. thickness Passed, mm (in) Max. burn rate (mm/min)	4.01 (0.158) 60	N/A	1.57 (0.062) 81
	MVSS 302 (Pass ≥) Min. thickness Passed, mm (in)	6.35 (0.250)	3.18 (0.125)	1.57 (0.062)
	Fogging	ISO 6452, DIN 75201	PASS	PASS
<b>ENVIRONMENTAL</b>				
Gasketing and Sealing	UL JMST2 (Consisting of UL50 and UL508)	File MH15464		

Notes:

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

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