



# PRODUCT NEWS

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## **PORON® 4701-60 Very High Modulus Grade (Very Firm)** **Preliminary Product Properties** (replaces 4701-12 & -13)

PROPERTY	TEST METHOD	VALUE		
Density, lb./ft <sup>3</sup> (kg/m <sup>3</sup> ) Tolerance, %	ASTM D3574 - Test A	15 (240)	20 (320)	25 (400)
		± 10		
Thickness, inches (mm) (see standard availability listing)  Tolerance, %, ±		0.125 (3,18)	0.062 (1,57)	0.031 (0,79)
		0.188 (4,78)	0.125 (3,18)	0.062 (1,57)
		0.250 (6,35)	0.250 (6,35)	0.125 (3,18)
		± 10		± 15
Standard Color, (Code) Note: Special Colors Available		Black (1604)		
Compression Set, % max	ASTM D3574 - Test D @ 73°F (23°C)	5		
	ASTM D3574 - Test D @ 158°F (70°C)	10		
	ASTM D3574 - Test J/Test D after autoclaved 5 hrs. @ 250 °F (121°C)	10		
Compression Force Deflection, psi (kPa)	0.2"/min. Strain Rate. Force Measured @ 25% Deflection	20 - 50 (137 - 345)	40 - 60 (276 - 553)	60 - 130 (415 - 898)
Dimensional Stability, %, max. change	22 hrs. @ 176°F (80°C) in a forced-air oven	5		
Flammability	MVSS 302	Pass		
Outgassing Total Mass Loss (TML), %  Collected Volatile Condensable Materials, (CVCM), % Max.	ASTM E595 24 hrs. @ 257°F (125°C) @ < 7x10 <sup>-3</sup> Pa	0.64	0.66	0.69
		0.05	0.02	0.03
Tear Strength, pli, min. (kN/m)	ASTM D624 - Die C	14 (2.4)	18 (3.1)	25 (4.3)
Temperature Resistance Cold Flexibility Embrittlement Recommended Constant Use, max. Recommended Intermittent Use, max.	MIL-P-12420C @ -40°F (-40°C) ASTM D746	Pass -3°F (16°C) 158°F (70°C) 250°F (121°C)		
Tensile Elongation, %, min.	ASTM D3574 - Test	50		
Tensile Strength, psi, min. (kPa)	ASTM D3574 - Test	150 (1030)	200 (1382)	250 (1700)
Water Absorption, % wt. gain, typical	AMS 3568	2.2	1.9	2.0

The above data represent preliminary values. 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. The relative merits of materials for a specific application should be determined by your evaluation.