PRODUCT NEWS

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PORON® 4701-30 Very Low Modulus Grade (Very Soft) *(replaces 4701-59)*
Preliminary Product Properties

PROPERTY	TEST METHOD	VALUE		
Density, lb./ft3 (kg/m3)	ASTM D3574 - Test A	15 (240)	20 (320)	25 (400)
Tolerance, %		± 10		
Thickness, inches (mm) (see standard availability listing)		0.188 (4.78) 0.250 (6.35) 0.375 (9.53) 0.500 (12.7)	0.062 (1.57) 0.093 (2.36) 0.125 (3.18)	0.035 (0.89) 0.045 (1.14)
Tolerance, %		± 10	± 10	± 15
Standard Color, (Code) Note: Special Colors Available		Azure (1637)		
Compression Set, % max	ASTM D3574 - Test D @ 73°F (23°C)	2		
	ASTM D3574 - Test D @ 158°F (70°C)	10		
	ASTM D3574 - Test J/Test D after autoclaved 5 hrs. @ 250 °F (121°C)	5		
Compression Force Deflection, psi (kPa)	0.2"/min. Strain Rate. Force Measured @ 25% Deflection	1 - 5 (7 -35)	3 - 8 (21 - 55)	5 - 12 (35 - 83)
Corrosion Resistance	AMS 3568	Pass		
Dimensional Stability, %, max. change	22 hrs. @ 176°F (80°C) in a forced-air oven	± 4		
Flammability	UL94HBF	Pass	Pass ≥ 0.093"	-
	MVSS 302	Pass		
Fogging	SAE-J 1756 3 hrs @ 212°F (100°C)	Pass		
Gasketing and Sealing	ULJMST2	Pass	Pass	Pass ≥ 0.045"
Hardness, Durometer	Shore "O"	< 3	8	16
Outgassing	ASTM E595			
Total Mass Loss (TML), %	24 hrs. @ 257°F (125°C) @ < $7x10^{-3}$ Pa	0.8	1.0	1.3
Collected Volatile Condensable Materials, (CVCM), % Max.		0.1	0.1	0.15
Water Vapor Regain (WVR), %		0.19	0.3	0.62
Surface Resistivity, ohm/sq.	ASTM D257	5.9×10^{11}		
Volume Resistivity, ohm.cm		3.1×10^{11}		
Tear Strength, pli (kN/m	ASTM D624 - Die C	1 (0.2)	3 (0.5)	4 (0.7)
Temperature Resistance				
Cold Flexibility	MIL-P-12420C @ -40°F (-40°C)	Pass		
Embrittlement	ASTM D746	-60°F (-51°C)		
Recommended Constant Use, max.		158°F (70°C)		
Recommended Intermittent Use, max.		250°F (121°C)		

Please see reverse side for additional data.

PORON® 4701-30 Very Low Modulus Grade (Very Soft) (replaces 4701-59)
Preliminary Product Properties - Continued

PROPERTY	TEST METHOD	VALUE		
Density, lb./ft3 (kg/m3)	ASTM D3574 - Test A	15 (240)	20 (320)	30 (480)
Tensile Elongation, % min.	ASTM D3574 - Test E	100		
Tensile Strength, psi, min. (kPa)	ASTM D3574 - Test E	20 (138)	30 (207)	35 (242)
Coefficient of Thermal Expansion		2.3 - 3.1 X 10^{-4} in/in/°C		
UV Resistance	AMS G53	Good		
Water Absorption, % wt gain, max.	AMS 3568 ASTM D570	2		
Immersion Testing, % wt gain, max.		11.6	8.6	13.5

The above data represents 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.

Notes:
1. All metric conversions are approximate.