

PORON EVExtend®

Higher Density 4701-43

PROPERTY	TEST METHOD	VALUE			
PHYSICAL					
Density, kg/m ³ (lb./ft ³)	ASTM D3574-95, Test A	224 (14)	256 (16)	288 (18)	320(20)
Support Type	---	PET			
Tolerance, %	---	± 10			
Thickness, mm (inches)	---	2.0 (0.079)	2.0 (0.079)	2.0 (0.079)	2.0 (0.079)
Tolerance, %	---	± 10			
Standard Color (Code)	---	Black (04)			
Compression Force Deflection, Range kPa (psi)	0.51 cm/min (0.2"/min) Strain Rate Force measured @ 25% Deflection	48.3-103.4 (7-15)	68.9-151.7 (10-22)	103.4-186.2 (15-27)	151.7-234.4 (22-34)
Compression Set, % max.	ASTM D3574-95 Test D @ 70°C (158°F)	5			
ELECTRICAL AND THERMAL					
Thermal Conductivity, W/M-C (BTU-in./hr/ft ² -F)	ASTM C518-98	0.056 (0.388)	0.063 (0.437)	0.065 (0.451)	0.076 (0.527)
TEMPERATURE RESISTANCE					
Recommended Constant Use, max.	SAE J-2236	90°C (194°F)			
Recommended Intermittent Use, max.	---	121°C (250 °F)			
Embrittlement	ASTM D746-98	-20°C (-4°F)			
FLAMMABILITY AND OUTGASSING					
Outgassing, Total Mass Loss (TML) %	Internal Method: 24 Hours @ 125°C (257°F)	1.34	1.14	1.17	1.11
Outgassing, Water Vapor Regain (WVR) %	---	0.90	0.81	0.88	0.85

Notes:

- Thickness availability may vary by construction type. Contact your local sales or customer service representative
- All metric conversions are approximate
- Additional technical information is available
- Typical values should not be used for specification limits

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Graph 1: Compression Force Deflection Full Range (ASTM D1056)

