SRP

Product Data Sheet
Preliminary

poron® ALWAYS THERE

PORON® 4701-40V0

PROPERTY	TEST METHOD	TYPICAL VALUE
PHYSICAL		
Density, kg/m³ (lb./ft³)	ASTM D3574-95, Test A	176 (11)
Tolerance, %		-9% / +5%
Support Type		Release PET
Thickness, mm (inches)		3.00 - 10.00 (0.118 - 0.394)
Tolerance, %		± 10
Standard Color (Code)		Black (04)
Compression Force Deflection, kPa (psi)	0.51cm/min (0.2"/min) Strain Rate Force Measured @ 25% Deflection	3.4 - 17.2 (0.5 - 2.5)
Typical kPa, (psi)		10.3 (1.5)
Hardness, Durometer Shore OO Shore A	ASTM D2240-97	32 2
Compression Set, % max	ASTM D1667-90 Test D @ 23°C (73°F) ASTM D3574-95 Test D @ 70°C (158°F)	5 10
Dimensional Stability, % max change	22 hrs @ 80°C (176°F) in a Forced-Air Oven	± 1
Tensile Strength, kPa (psi) min. Typical kPa, (psi)	ASTM D3574-75, Test E	41.4 (6) 152 (22)
Tensile Elongation, % min. Typical	ASTM D3574-75, Test E	80 150
Tear Strength, kN/m (pli) min. Typical kN/m (pli)	ASTM D264-91 Die C	0.2 (1) 0.7 (4)

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PORON® 4701-40V0 Preliminary Data Sheet, Cont'd

PROPERTY	TEST METHOD	TYPICAL VALUE
ELECTRICAL AND THERMAL		176 (11)
Volume Resistivity, ohm-cm (ohm-in)	ASTM D257-99	6×10^{12} (2.36×10^{12})
Surface Resistivity, ohm/sq	ASTM D257-99	5.25×10^{13}
TEMPERATURE RESISTANCE		
Recommended Constant Use, max.	SAE J-2236	90°C (194°F)
Recommended Intermittent Use, max.		121°C (250°F)
Embrittlement	GMW 18067	-4°C (-20°F)
Cold Flexibility	MIL-P-12420D 1991 @ -20°C (-4°F)	-4°C (-20°F)
FLAMMABILITY AND OUTGASSING		
Flammability, mm (inches)	UL94 V-0 (File E20305) (Pass ≥) FMVSS 302 (Pass ≥) CSA Comp V0 (File E20305) (Pass ≥)	2.7 (0.106) 2.7 (0.106) 2.7 (0.106)
Fogging	SAE J-1756 3 hrs @ 100°C (212°F)	Pass
Outgassing, Total Mass Loss (TML) %	ASTM E595-93 24 hrs @ 125°C (257°F) @ <7kPa (1.02 psi)	1.07
Outgassing, Water Vapor Regain (WVR) %		0.7

Notes:

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

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