

PORON® 4701-40 Soft

PROPERTY	TEST METHOD	TYPICAL VALUE		
PHYSICAL				
Density, kg /m ³ (lb / ft ³)	ASTM D 3574-95, Test A	240 (15)	320 (20)	480 (30)
Tolerance, %		± 10		
Thickness, mm (inches)		3.18 (0.125) 4.78 (0.188) 6.35 (0.250) 9.53 (0.375) 12.70 (0.500)	1.57 (0.062) 2.36 (0.093) 3.18 (0.125)	0.79 (0.031) 1.14 (0.045)
Tolerance, %		± 10		± 20
Standard Color (Code)		Black (04)		
Compression Force Deflection, kPa (psi)	ISO 6916-1 30mm/min Strain Rate Force Measured @ 25% Deflection	42 (6)	85 (12)	225 (33)
Compression Set, % max.	ISO 1856 Test A @ 70°C	0.7%	1.4%	2.4%
Dimensional Stability, % max. change	22 hrs @ 80°C in a forced-air oven	± 1		
ELECTRICAL				
Dielectric Strength, kV/mm	IEC 243-1	1.8	2.6	2.8
Volume Resistivity, ohm-cm	IEC 60093	2.21E+13	7.42E+13	1.45E+14
Surface Resistivity, ohm/sq	IEC 60093	9.03E+13	6.28E+13	8.03E+13
TEMPERATURE RESISTANCE				
Recommended Constant Use, max.	UL 157	90°C		
Recommended Intermittent Use, max.	UL 157	121°C		
Embrittlement	ISO 974(E)	-51°C		
FLAMMABILITY AND OUTGASSING				
Flammability	UL 94HBF (File E20305) Min. thickness Passed, mm (in)	4.78 (0.188)	1.57 (0.062)	N/A
	ISO 3795, DIN 75200 Min. thickness Passed, mm (in) Max. burn rate (mm/min)	4.78 (0.188) 46	1.57 (0.062) 87	1.14 (0.045) 85
	MVSS 302 (Pass ≥) Min. thickness Passed, mm (in)	4.78 (0.188)	1.57 (0.062)	N/A
	Fogging	ISO 6452, DIN 75201	PASS	PASS
ENVIRONMENTAL				
Gasketing and Sealing	UL JMST2 (Consisting of UL50 and UL508)	File MH15464		

Notes:

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

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