

PORON® 4701-60 Very Firm (Unsupported)

Based on Global Test Methods

PROPERTY	TEST METHOD	TYPICAL VALUE		
PHYSICAL				
Density, kg/m³ (lb./ft³)	ASTM D3574-95, Test A	240 (15)	320 (20)	400 (25)
Tolerance, %			± 10	
Thickness, mm (inches)			0.79 (0.031)	0.79 (0.031)
		4.78 (0.188)	1.57 (0.062)	1.57 (0.062)
		6.35 (0.250)	3.18 (0.125)	2.36 (0.093)
			4.78 (0.188)	
Tolerance, %			± 10	
Standard Color (Code)			Black (04)	
Compression Force Deflection, kPa (psi)	ISO 6916-1 30mm/min Strain Rate Force Measured @ 25% Deflection	231 (34)	538 (78)	783 (114)
Compression Set, % max	ISO 1856 Test A @ 70°C (158°F)	7.9	6.9	4.7
Dimensional Stability, % max change	22 hrs @ 80°C (176°F) in a Forced-Air Oven		± 5	
ELECTRICAL				
Dielectric Strength, kV/mm	IEC 243-1	2.3	2.5	2.2
Volume Resistivity, ohm-cm	IEC 60093	1.67E +13	1.15E +15	8.78E +13
Surface Resistivity, ohm/sq	IEC 60093	1.56E +15	2.05E +15	1.39E +15
TEMPERATURE RESISTANCE				
Recommended Constant Use, max.	UL 157		90°C (194°F)	
Recommended Intermittent Use, max.	UL 157		121°C (250°F)	
Embrittlement	ISO 974 (E)		-40°C (-40°F)	



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PROPERTY	TEST METHOD	TYPICAL VALUE		
FLAMMABILITY AND OUTGASSING		240 (15)	320 (20)	400 (25)
Flammability, mm (inches)	UL 94HBF* (File E20305) Min. Thickness Passed, mm (in)	3.18 (0.125)	1.57 (0.062)	-
	ISO 3795, DIN 75200 Min. Thickness Passed, mm (in)	3.18 (0.125)	1.57 (0.062)	1.57 (0.062)
	Max. Burn Rate (mm/min)	54	68	70
	FMVSS 302 (Pass ≥) Min. Thickness Passed, mm (in)	3.18 (0.125)	1.57 (0.062)	1.57 (0.062)
Fogging	ISO 6452, DIN 75201	PASS	PASS	PASS
ENVIRONMENTAL				
Gasketing & Sealing	UL JMST2 (Consisting of UL50 & UL508)	File MH15464		

Notes:

*Designed to meet UL 94 HBF based upon 2022 test criteria. As of 2023 items with spec range $\geq 15.6 \text{ lb/ft}^3$ (250 kg/m^3) are no longer eligible to be tested for UL 94 HBF but remain equivalent.

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

To order PORON materials, please contact our Sales Specialists at 860.928.3622 or via email at EMS_CT_cust_serv@rogerscorporation.com



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