

## PORON® 4701-40 Soft (Unsupported)

Based on Global Test Methods

PROPERTY	TEST METHOD	TYPICAL VALUE		
<b>PHYSICAL</b>				
Density, kg/m <sup>3</sup> (lb./ft <sup>3</sup> )	ASTM D3574-95, Test A	240 (15)	320 (20)	480 (30)
Tolerance, %		± 10		
Thickness, mm (inches)		3.18 (0.125)		
		4.78 (0.188)	1.57 (0.062)	0.79 (0.031)
		6.35 (0.250)	2.36 (0.093)	1.14 (0.045)
		9.53 (0.375)	3.18 (0.125)	
		12.7 (0.500)		
Tolerance, %		± 10	± 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 (158°F)	0.7	1.4	2.4
Dimensional Stability, % max change	22 hrs @ 80°C (176°F) in a Forced-Air Oven	± 1		
<b>ELECTRICAL</b>				
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
<b>TEMPERATURE RESISTANCE</b>				
Recommended Constant Use, max.	UL 157	90°C (194°F)		
Recommended Intermittent Use, max.	UL 157	121°C (250°F)		
Embrittlement	ISO 974 (E)	-51°C (-60°F)		

PROPERTY	TEST METHOD	TYPICAL VALUE		
<b>FLAMMABILITY AND OUTGASSING</b>		240 (15)	320 (20)	480 (30)
Flammability, mm (inches)	UL 94HBF <sup>†</sup> (File E20305) Min. Thickness Passed, mm (in)	4.78 (0.188)	1.57 (0.062)	-
	ISO 3795, DIN 75200 Min. Thickness Passed, mm (in)	4.78 (0.188)	1.57 (0.062)	1.14 (0.045)
	Max. Burn Rate (mm/min)	46	87	85
Fogging	FMVSS 302 (Pass ≥) Min. Thickness Passed, mm (in)	4.78 (0.188)	1.57 (0.062)	-
	ISO 6452, DIN 75201	PASS	PASS	PASS
<b>ENVIRONMENTAL</b>				
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 nominal density  $\geq 15.6\text{lb/ft}^3$  (250kg/m<sup>3</sup>) 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](mailto:EMS_CT_cust_serv@rogerscorporation.com)