

PORON® 4701-41 Soft Enhanced Sealability (Unsupported)

Based on Global Test Methods

PROPERTY	TEST METHOD	TYPICAL VALUE		
PHYSICAL				
Density, kg/m ³ (lb./ft ³)	ASTM D3574-95, Test A	240 (15)	320 (20)	480 (30)
Tolerance, %		± 10		
Thickness, mm (inches)		4.78 (0.188)		
		6.35 (0.250)	1.57 (0.062)	0.79 (0.031)
		9.53 (0.375)	2.36 (0.093)	1.14 (0.045)
		12.7 (0.500)	3.18 (0.125)	
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	57(8)	97 (14)	247 (36)
Compression Set, % max	ISO 1856 Test A @ 70°C (158°F)	1.7	1.5	2.5
Dimensional Stability, % max change	22 hrs @ 80°C (176°F) in a Forced-Air Oven	± 2		
ELECTRICAL				
Dielectric Strength, kV/mm	IEC 243-1	2.3	2.4	3.4
Volume Resistivity, ohm-cm	IEC 60093	1.42E +13	4.18E +13	1.35E +14
Surface Resistivity, ohm/sq	IEC 60093	4.29E +13	4.49E +13	1.17E +14
TEMPERATURE RESISTANCE				
Recommended Constant Use, max.	UL 157	90°C (194°F)		
Recommended Intermittent Use, max.	UL 157	121°C (249.8°F)		
Embrittlement	ISO 974 (E)	-50°C (-58°F)		

PROPERTY	TEST METHOD	TYPICAL VALUE		
FLAMMABILITY AND OUTGASSING		240 (15)	320 (20)	480 (30)
Flammability, mm (inches)	UL 94HBF [‡] (File E20305) Min. Thickness Passed, mm (in)	4.78 (0.188)	4.78 (0.188)	4.78 (0.188)
	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)	33	91	73
Fogging	FMVSS 302 (Pass ≥) Min. Thickness Passed, mm (in)	-	-	-
	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 upon 2022 test criteria. As of 2023 items with nominal density $\geq 15.6 \text{ lb/ft}^3$ (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