

PORON[®] 4790-92 Extra Soft Slow Rebound (Supported)

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)	400 (25)
Tolerance, %			± 10	
Thickness, mm (inches)		1.00 (0.039)	2.06 (0.081)	0.53(0.021)
		3.05 (0.120)		0.61 (0.024)
				0.079 (0.031)
				1.04 (0.041)
Tolerance, %		± 10	± 10	± 15
Standard Color (Code)		Black (04)		
Compression Force Deflection, kPa (psi)	ISO 6916-1 30mm/min Strain Rate Force Measured @ 25% Deflection	16 (2)	22 (3)	-
Compression Set, % max	ISO 1856 Test A @ 70°C (158°F)	0.4	0.8	-
Dimensional Stability, % max change	22 hrs @ 80°C (176°F) in a Forced-Air Oven		-	
ELECTRICAL				
Dielectric Strength, kV/mm	IEC 243-1	3.4	4.8	-
Volume Resistivity, ohm-cm	IEC 60093	5.54E +13	5.08E +13	-
Surface Resistivity, ohm/sq	IEC 60093	6.22E +15	1.36E +15	-
TEMPERATURE RESISTANCE				
Recommended Constant Use, max.	UL 157	90°C (194°F)	90°C (194°F)	-
Recommended Intermittent Use, max.	UL 157	121°C (250°F)	121°C (250°F)	-
Embrittlement	ISO 974 (E)	-36°C (-33°F)	-36°C (-33°F)	-

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)	-	-	-
	ISO 3795, DIN 75200 Min. Thickness Passed, mm (in)	3.05 (0.120)	2.06 (0.081)	-
	Max. Burn Rate (mm/min)	31	16	-
Fogging	FMVSS 302 (Pass ≥) Min. Thickness Passed, mm (in)	-	-	-
	ISO 6452, DIN 75201	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 nominal density $\geq 15.6\text{lb/ft}^3$ (250kg/m³) 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