Product Data Sheet

PORON® ShockSeal® Foam: General Industrial Grades 4790-79

Based on Global Test Methods

PROPERTY	TEST METHOD	TYPICAL VALUE		
PHYSICAL				
Density, kg/m³ (lb./ft³)	ASTM D3574-95, Test A	192 (12)	240 (15)	320 (20)
Tolerance, %			±10	
Thickness, mm (inches)		2.03 (0.080) 4.01 (0.158) 9.35 (0.375)	3.18 (0.125) 6.35 (0.250)	1.57 (0.062) 2.36 (0.093)
Tolerance, %			±10	
Standard Color (Code)			Black (04)	
Compression Force Deflection, kPa (psi)	ISO 6916-1 30mm/min Strain Rate Force Measured @ 25% Deflection	23 (3)	N/A	92 (13)
Compression Set, % max	ISO 1856 Test A @ 70°C (158°F)	0.6	N/A	1.1
ELECTRICAL				
Dielectric Strength, kV/mm	IEC 243-1	1.7	N/A	2.3
Volume Resistivity, ohm-cm	IEC 60093	7.41E +12	N/A	7.92E+14
Surface Resistivity, ohm/sq	IEC 60093	1.38E +14	N/A	8.73E+14
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)		-38°C (-36°F)	

PROPERTY	TEST METHOD	TYPICAL VALUE		
FLAMMABILITY AND OUTGASSING		192 (12)	240 (15)	320 (20)
Flammability, mm (inches)	UL 94HBF‡ (File E20305) Min. Thickness Passed	N/A	N/A	N/A
	ISO 3795, DIN 75200 Min. Thickness Passed Max. Burn Rate (mm/min.)	4.01 (0.158) 60	N/A	1.57 (0.062) 81
	FMVSS 302 (Pass ≥) Min. Thickness Passed	6.35 (0.250)	3.18 (0.125)	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 nominal density ≥ 15.6lb/ft^3 (250kg/m^3) are no longer eligible to be tested for UL 94 HBF but remain equivalent.

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

For more information and to request a sample, please contact our team of experts at solutions@rogerscorp.com