

Typical Product Properties

PORON® 4790-92-25041-04P Extra Soft - Slow Rebound - Supported – Data Sheet

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Density, kg/m ³ (lb./ft ³)	ASTM D3574-95, Test A	400 (25)
Tolerance, %		± 10
Thickness, mm (inches)		1.04 (0.041)
Tolerance, %		± 15
Standard Color (Code)		Black (04)
Compression Force Deflection Range kPa (psi), Typical kPa (psi)	0.51cm/min (0.2" / min) Strain Rate Force Measured @ 25% Deflection	8 - 58 (1.25 - 8.5) 37 (5.3)
Compression Set, % max.	ASTM D 1667-90 Test D @ 23°C (73°F)	2
	ASTM D 3574-95 Test D @ 70°C (158°F)	10
ELECTRICAL AND THERMAL		
Dielectric Constant, K', "DK"	ASTM D 150 measurements at 22°C (72°F) relative humidity 50% for 24 hrs.	1.48
Dielectric Strength, kV/m (volts/mil)	ASTM D 149-97a	1969 (50)
Dissipation Factor, tan D, "DF"	ASTM D 150-98	0.04
Volume Resistivity, ohm-cm (ohm-in)	ASTM D 257-99	8.0 x 10 ¹¹ (3.2 x 10 ¹¹)
Surface Resistivity, ohm/sq.	ASTM D 257-99	10.0 x 10 ¹¹
Coefficient of Thermal Expansion		2.3 - 3.1 x 10 ⁻⁴ in/in/°C (1.3-1.7 x 10 ⁻⁴ in/in/°F)
TEMPERATURE RESISTANCE		
Recommended Constant Use, max.	SAE J-2236	90°C (194°F)
Recommended Intermittent Use, max.		121°C (250°F)
Embrittlement	ASTM D 746-98	-12°C (10°F)

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