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M90-44 CF2001/CD3068 (ISO)

 [M90-44.pdf \(700KB\)](#)

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Item	Unit	Test Method	Standard
			M90-44
			Standard
Color No.			CF2001/CD3068
ISO Marking Code		ISO11469 (JIS K6999)	>POM<
Density	g/cm ³	ISO 1183	1.41
Water absorption (23ℓ,24hrs)	%	ISO 62	0.5
Tensile strength	MPa	ISO 527-1,2	62
Strain at break	%	ISO 527-1,2	35 ¹⁾
Flexural strength	MPa	ISO 178	87
Flexural modulus	MPa	ISO 178	2,500
Charpy impact strength (notched)	kJ/m ²	ISO 179/1eA	6
Temperature of deflection under load (1.8MPa)	ℓ	ISO 75-1,2	95
Coefficient of linear thermal expansion (23 - 55ℓ, Flow direction)	x10 ⁻⁵ /ℓ	Our standard	12
Coefficient of linear thermal expansion (23 - 55ℓ, Transverse direction)	x10 ⁻⁵ /ℓ	Our standard	12
Dielectric breakdown strength (3mmt)	kV/mm	IEC 60243-1	19
Volume resistivity	Ω·cm	IEC 60093	1 x 10 ¹⁴
Surface resistivity	Ω	IEC 60093	1 x 10 ¹⁶
Volume resistivity (Our standard)	Ω·cm		-
Surface resistivity (Our standard)	Ω		-
Specific wear amount (vs C-Steel, material side, pressure 0.49MPa, 30cm/s)	x10 ⁻³ mm ³ /(N·km)	JIS K7218	0.65
Specific wear amount (vs C-Steel, steel side, pressure 0.49MPa, 30cm/s)	x10 ⁻³ mm ³ /(N·km)	JIS K7218	0.01 >
Coefficient of Dynamic Friction (vs C-Steel, pressure 0.49MPa, 30cm/s)		JIS K7218	0.46
Specific wear amount (vs C-Steel, material side, pressure 0.98MPa, 30cm/s)	x10 ⁻³ mm ³ /(N·km)	JIS K7218	0.30
Specific wear amount (vs C-Steel, steel side, pressure 0.98MPa, 30cm/s)	x10 ⁻³ mm ³ /(N·km)	JIS K7218	0.01 >
Coefficient of Dynamic Friction (vs C-Steel, pressure 0.98MPa, 30cm/s)		JIS K7218	0.40
Specific wear amount (vs M90-44, material side, pressure 0.06MPa, 15cm/s)	x10 ⁻³ mm ³ /(N·km)	JIS K7218	35
Specific wear amount (vs M90-44, M90-44 side, pressure 0.06MPa, 15cm/s)	x10 ⁻³ mm ³ /(N·km)	JIS K7218	65
Coefficient of Dynamic Friction (vs M90-44, pressure 0.06MPa, 15cm/s)		JIS K7218	0.37
Flammability		UL94	HB
The yellow card File No.			E45034
Appropriate List number of Ministerial Ordinance for Export Trade Control			Item 16 of Appendix -1

1) Nominal strain at break