General Properties of M90-44

table1-1 General Properties（ISO）

Item	Unit	Test Method	Standard
			M90-44
			Standard
Color			CF2001/CD3068
ISO(JIS)quality-of-the-material display:		ISO11469 (JIS K6999)	>POM<
Density	g/cm^3	ISO 1183	1.41
Water absorption (23℃,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)	℃	ISO 75-1,2	95
Coefficient of linear thermal expansion (23～55℃、Flow direction)	x10^{-5}/℃	ISO 11359-2	12
Coefficient of linear thermal expansion (23～55℃、Transverse direction)	x10^{-5}/℃	ISO 11359-2	12
Dielectric breakdown strength (3mmt)	kV/mm	IEC 60243-1	19
Volume resistivity	Ω･cm	IEC 60093	1 × 10^{14}
Surface resistivity	Ω	IEC 60093	1 × 10^{16}
Volume resistivity (Our standard)	Ω･cm	-	-
Surface resistivity (Our standard)	Ω	-	-
Specific wear amount (vs C-Steel, resin 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, resin 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	-
Specific wear amount (vs M90-44, M90-44 side, pressure 0.06MPa, 15cm/s)	x10^{-3}mm^3/(N･km)	JIS K7218	-

Item	Unit	Test Method	Standard
			M90-44
			Standard
Coefficient of Dynamic Friction (vs M90-44, pressure0.06MPa, 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

All figures in the table are the typical values of the material and not the minimum values of the material specifications.