



(Polioximetileno - POM Copolímero)

Especificaciones del Monofilamento

Diámetro (Ø)	Tolerancia	Ovalidad
1.75 mm	± 0,02mm con un 99% y ±0.03 con el 1% de Nivel de Confianza	≥97 %
2.85 mm	± 0,04mm con un 99% y ±0.05 con el 1% de Nivel de Confianza	≥97 %

Propiedades de la Materia Prima más relevantes

Descripción	Método	Valor Típico	
Densidad	ISO 1183	1.37	Gr/Cm ³
Indice de Fluidez (190 °C, 2.16Kg)	ISO 1133	8	Gr/10 min.
Indice de Fluidez en volumen (190 °C, 2.16Kg)	ISO 1133	7	Cm ³ /10 min.
Mold Shrinkage (60x60x2mm)	ISO 294-4	1.8 %	
Water absorption (24h 23° C 1mmt)	ISO 62	- %	
Tensile strength	ISO 527-1,2	45	MPa
Strain at break	ISO 527-1,2	50 ¹	%
Tensile modulus	ISO 527-1,2	1,700	MPa
Flexural strength	ISO 178	57	MPa
Flexural modulus	ISO 178	1,550	MPa
Charpy notched impact strength (23° C)	ISO 179/1eA	17	kJ/m ²
Temperature of deflection under load (1.8MPa)	ISO 75-1,2	-	°C
Coefficient of linear thermal expansion (23 - 55°C Flow direction)	Our standard	12	x10 ⁻⁵ /C
Coefficient of linear thermal expansion (23 - 55°C Transverse direction)	Our standard	13	x10 ⁻⁵ /C
Electric strength (3mmt)	IEC 60243-1	-	Ω · cm
Volume resistivity	IEC 60093	2 × 10 ¹³	Gr/Cm ³
Surface resistivity	IEC 60093	8 × 10 ¹³	Ω
Volume resistivity (Our standard)		-	Ω · cm
Surface resistivity (Our standard)		-	Ω
Mold Shrinkage (60x60x2mmt, Flow direction)	ISO 294-4	1.8	%
Mold Shrinkage (60x60x2mmt, Transverse direction)	ISO 294-4	1.6	%
Rockwell hardness	ISO 2039-2	-	M(Scale)
Specific wear amount (Thrust, vs C-Steel, material side, pressure 0.49MPa, 30cm/s)	JIS K7218	1.0	x10 ⁻³ mm ³ /(N · km)
Specific wear amount (Thrust, vs C-Steel, steel side, pressure 0.49MPa, 30cm/s)	JIS K7218	0.01>	x10 ⁻³ mm ³ /(N · km)
Coefficient of Dynamic Friction (Thrust, vs CSteel, pressure 0.49MPa, 30cm/s)	JIS K7218	0.30	
Specific wear amount (Thrust, vs C-Steel, material side, pressure 0.98MPa, 30cm/s)	JIS K7218	-	x10 ⁻³ mm ³ /(N · km)
Specific wear amount (Thrust, vs C-Steel, steel side, pressure 0.98MPa, 30cm/s)	JIS K7218	-	x10 ⁻³ mm ³ /(N · km)
Coefficient of Dynamic Friction (Thrust, vs CSteel, pressure 0.98MPa, 30cm/s)	JIS K7218	-	
Specific wear amount (Thrust, vs M90-44, material side, pressure 0.06MPa, 15cm/s)	JIS K7218	2.0	x10 ⁻³ mm ³ /(N · km)
Specific wear amount (Thrust, vs M90-44, M90-44 side, pressure 0.06MPa, 15cm/s)	JIS K7218	2.0	x10 ⁻³ mm ³ /(N · km)
Coefficient of Dynamic Friction (Thrust, vs M90- 44, pressure0.06MPa, 15cm/s)	JIS K7218	0.65	
Flammability	UL94	-	

¹ Nominal strain at break