

Taizhou Changjiang New Material Co,Limited

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Class	Performance	unit (conditions)	Values
Physical properties	Proportion	g/cm ³	1.15 ~ 1.17
	Water absorption	%	0.9
thermal properties	Matin heat resistance	°C	67 ~ 74
	Continuous heat	°C	120 (lubricants)
	Cold temperature	°C	-40
	Heat Deflection Temperature	°C	120
	Coefficient of thermal conductivity line	w/m·°C	0.28 ~ 0.29
	coefficient of linear expansion	10 ⁻⁵ °C	4 ~ 7
	flammability		Self-extinguishing
mechanical behavior	tensile strength	MPa >	75
	Tensile elastic modulus	10 ⁴ MPa	0.392(40000)
	compression strength	MPa >	100
	bending strength	MPa >	140
	impulse strength	KJ/m ² >	510
	elongation	%	20
	rigidity	HPM(°)	80 ~ 90
	fatigue strength	(10 ⁷ week)kg/cm ²	200
	friction coefficient	(free lubricatoin)	0.09 ~ 0.3
electrical property	volume resistance	Ωm >	6×10 ¹²
	surface resistance	Ω	9.7×10 ¹⁴
	dielectric constant	10 ⁶ HZ	3.5-6.5
	dielectric losses	10 ⁶ HZ	1.5-2×10 ⁻²
	breakdown voltage	MV/m	15