

Property	Test Condition	Test Method ISO	Units	Short carbon fiber reinforced P C
				CF8%, Flame retardant
				NX85T-10A
				>PC-CF10<
Physical property				
Content of filler		-	wt%	8
Water Absorption	23℃×50%RH in water		%	-
Density	23℃	ISO1183	kg/m ³	1225
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	56
Elongation at Break	23℃	ISO527-1,2	%	4
Flexural Strength	23℃	ISO178	MPa	111
Flexural Modulus	23℃	ISO178	GPa	6.4
Coefficient of friction	Vs S45C、1MPa、0.33m/s	Suzuki Method	-	-
Coefficient of friction	Vs SUS、1MPa、0.33m/s	Suzuki Method	-	-
Limit of PV	Vs S45C	Suzuki Method	Mpa · m/s	-
Limit of PV	Vs SUS	Suzuki Method	Mpa · m/s	-
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	6.3
Heat property				
Melting Point		DSC Method	℃	-
Coef of Linear Thermal Expansion		ISO11359-2	×10 ⁻⁵ /℃	-
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	121
Flammability		UL94	rank/thickness m mt	V-0 (1.5mmt)
Electrical property				
Surface Resistivity		IEC 60093	Ω	10 ² ~10 ³
Molding property				
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.25
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	0.25~0.55
Melt Flow Rate	250℃/98N	ISO 1133	g/10min	26

These values are typical data for this product under specific test conditions and not intended for use as limiting specifications.

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