

Property	Test Condition	Test Method ISO	Units	Short carbon fiber reinforced P C	
				CF+GF, Flame retardant	
				NX85K-15	
				>PC-CF5+GF8<	
Physical property					
Content of filler		-	wt%	13	
Water Absorption	23℃×50%RH in water		%	-	
Density	23℃	ISO1183	kg/m ³	1270	
Mechanical property					
Tensile strength	23℃	ISO527-1,2	MPa	73	
Elongation at Break	23℃	ISO527-1,2	%	2	
Flexural Strength	23℃	ISO178	MPa	115	
Flexural Modulus	23℃	ISO178	GPa	6.2	
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)	
Molding property					
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.25	
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	0.25~0.50	
Melt Flow Rate	250℃/98N	ISO 1133	g/10min	28	

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

