

Property	Test Condition	Test Method ISO	Units	Short carbon fiber reinforced PBT
				CF+GF, Flame retardant
				VX84K-20
				>PBT+ABS-(CF+GF)20FR(17) <
Physical property				
Content of filler		-	wt%	20
Density	23℃	ISO1183	kg/m ³	1395
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	145
Elongation at Break	23℃	ISO527-1,2	%	2.7
Flexural Strength	23℃	ISO178	MPa	220
Flexural Modulus	23℃	ISO178	GPa	13
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	5
Heat property				
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	171
Flammability		UL94	rank/thickness mmt	V-0 (1.5mmt)
MFR		ISO1133	g/10min	40
Molding property				
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.2
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	0.4

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

