

Torayca™ VX84K-20

ABS+PBT

TECHNICAL DATA

Product Description

CF+GF, Flame retardant

Uses

- Printer

Processing Method

- Injection Molding

ISO Designation

- >PBT+ABS-(CF+GF)20FR(17)<

Type

- Short carbon fiber reinforced PBT

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.39	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	40	g/10 min	ISO 1133
Molding Shrinkage ¹			Internal Method
Across Flow : 3.00 mm	0.40	%	
Flow : 3.00 mm	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	145	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.7	%	ISO 527-2
Flexural Modulus (23°C)	13000	MPa	ISO 178
Flexural Stress (23°C)	220	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	171	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+3	ohms	Internal Method
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	V-0		UL 94

Notes

¹ 80x80x3mm

