

Torayca™ NX85T-10 PC

TECHNICAL DATA

Product Description

CF8%, Flame retardant

Uses

- Automotive Applications
- Camera Applications
- Cell Phones
- Computer Components
- Printer
- White Goods & Small Appliances

Processing Method

- Injection Molding

ISO Designation

- >PC-CF8<

Type

- Short carbon fiber reinforced PC

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.23	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/10.0 kg)	26	g/10 min	ISO 1133
Molding Shrinkage ¹			Internal Method
Across Flow : 3.00 mm	0.25 to 0.55	%	
Flow : 3.00 mm	0.25	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	56	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	4.0	%	ISO 527-2
Flexural Modulus (23°C)	6400	MPa	ISO 178
Flexural Stress (23°C)	111	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.3	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	121	°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, NC)	V-0		UL 94

Notes

¹ 80x80x3mm

