

Torayca™ 1401T-30V PBT

TECHNICAL DATA

Product Description

CF30%

Uses

- Automotive Applications
- Connectors
- Fiber Optic Cable
- Valves/Valve Parts

Processing Method

- Injection Molding

ISO Designation

- >PBT-CF30<

Type

- Short carbon fiber reinforced PBT

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.42	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 3.00 mm	0.70	%	
Flow : 3.00 mm	0.10	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	205	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.8	%	ISO 527-2
Flexural Modulus (23°C)	22200	MPa	ISO 178
Flexural Stress (23°C)	325	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.8	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	212	°C	ISO 75-2/A
Melting Temperature	224	°C	DSC
CLTE			ISO 11359-2
Flow	2.2	cm ³ /cm/°C	
Transverse	2.6	cm ³ /cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	0.010	ohms·m	JIS K7194
Surface Resistivity	10	ohms/cm ²	JIS K7194
Flammability	Nominal Value	Unit	Test Method
Flame Rating ² (Equivalent)	HB		Internal Method

Notes

¹ 80x80x3mm

² UL94

