

Toraycon™ 7164G-X02

PBT+SAN

TECHNICAL DATA

Product Description

Low warpage, Hydrolysis resistance, Good appearance, V-0, GF30%

Uses

- Automotive Applications
- Automotive Electronics
- Consumer Applications
- Electrical Housing

Processing Method

- Injection Molding

ISO Designation

- >PBT+SAN+PET-GF30FR(17)<

Type

- PBT/Flame retardant reinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.54	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 3.00 mm	0.70	%	
Flow : 3.00 mm	0.30	%	
Water Absorption ² (24 hr, 23°C)	0.070	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	140	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.7	%	ISO 527-2
Flexural Modulus (23°C)	10500	MPa	ISO 178
Flexural Stress (23°C)	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	180	°C	ISO 75-2/B
1.8 MPa, Unannealed	180	°C	ISO 75-2/A
Coefficient of Linear Thermal Expansion (-30 to 100°C)	3.4	cm ³ -5/cm/°C	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	V-0		UL 94

Notes

¹ 80x80x3mm

² in water

Toray Industries, Inc.

