

Toraycon™ 7151G40 B

PBT+SAN

TECHNICAL DATA

Product Description

Low warpage, High rigidity, GF40%

ISO Designation

- >PBT+SAN-GF40<

Type

- PBT/Reinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.59	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)	162	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.2	%	ISO 527-2
Flexural Modulus (23°C)	12400	MPa	ISO 178
Flexural Stress (23°C)	237	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.8	kJ/m ²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale, 23°C)	88		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	209	°C	ISO 75-2/A
Coefficient of Linear Thermal Expansion (-30 to 100°C)	2.8	cm [^] -5/cm/°C	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating ³ (Equivalent)	HB		Internal Method

Notes

¹ 80x80x3mm

² in water

³ UL94

Toray Industries, Inc.

