

Toraycon™ 7157G A30 B

ABS+PBT

TECHNICAL DATA

Product Description

Low warpage, Heat cycle resistance, GF30%

Uses	- Automotive Applications - Automotive Electronics
Processing Method	Injection Molding
ISO Designation	>PBT+ABS-I-GF30<
Type	PBT/Reinforced

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	0.30	%	
Water Absorption ² (24 hr, 23°C)	0.070	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	8400	MPa	ISO 527-1
Tensile Strength (23°C)	112	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.9	%	ISO 527-2
Flexural Modulus (23°C)	7700	MPa	ISO 178
Flexural Stress (23°C)	170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12.1	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ISO 75-2/A
Coefficient of Linear Thermal Expansion (-30 to 100°C)	3.3	cm [^] -5/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+14	ohms·m	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating ³ (Equivalent)	HB		Internal Method

Notes

¹ 80x80x3mm

² in water

³ UL94

Toray Industries, Inc.

