

Toraycon™ 7151G-30

PBT+SAN

TECHNICAL DATA

Product Description

Low warpage, Hydrolysis resistance, GF30%

Uses	- Automotive Applications - Automotive Electronics - Automotive Under the Hood
Processing Method	Injection Molding
ISO Designation	>PBT+SAN-GF30<
Type	PBT/Reinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.43	g/cm³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 3.00 mm	0.60	%	
Flow : 3.00 mm	0.20	%	
Water Absorption ² (24 hr, 23°C)	0.070	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	135	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.8	%	ISO 527-2
Flexural Modulus (23°C)	9400	MPa	ISO 178
Flexural Stress (23°C)	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.2	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	170	°C	
Coefficient of Linear Thermal Expansion (-30 to 100°C)	4.2	cm ⁻⁵ /cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+14	ohms·m	IEC 60093
Electric Strength	15	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.75 mm, BK)	HB		UL 94

Notes

¹ 80x80x3mm

² in water

Toray Industries, Inc.

