

Toraycon™ 5108G X01 PBT

TECHNICAL DATA

Product Description

High impact, Hydrolysis resistance, GF15%

Uses • Automotive Applications • Connectors

Processing Method • Injection Molding

ISO Designation • >PBT-I-GF15<

Type • PBT/Reinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.39	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 3.00 mm	1.50	%	
Flow : 3.00 mm	0.70	%	
Water Absorption ² (24 hr, 23°C)	0.070	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5300	MPa	ISO 527-1
Tensile Strength (23°C)	108	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.2	%	ISO 527-2
Flexural Modulus (23°C)	5100	MPa	ISO 178
Flexural Stress (23°C)	167	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.8	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)	5	cm [^] -5/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.6E+14	ohms·m	IEC 60093
Electric Strength	20	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating ³ (Equivalent)	HB		Internal Method

Notes

¹ 80x80x3mm

² in water

³ UL94

Toray Industries, Inc.

