

Toraycon™ 1101G-M55 BL

PBT+PET

TECHNICAL DATA

Product Description

Good appearance, High rigidity, GF55%

Uses • Automotive Applications

Processing Method • Injection Molding

ISO Designation • >PBT+PET-GF55<

Type • PBT/Reinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.70	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 3.00 mm	0.50	%	
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)	166	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.3	%	ISO 527-2
Flexural Modulus (23°C)	17000	MPa	ISO 178
Flexural Stress (23°C)	267	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.4	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	68.0	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	204	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating ³ (Equivalent)	HB		Internal Method

Notes

¹ 80x80x3mm

² in water

³ UL94

Toray Industries, Inc.

