

Toraycon™ 1101H

PBT+PET

TECHNICAL DATA

Product Description

Good appearance(Ceramics tone), MD40%

Uses • Bathroom Accessories • Cosmetics • Non-specific Food Applications

Processing Method • Injection Molding

ISO Designation • >PBT+PET-MD40<

Type • PBT/Reinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.84	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 3.00 mm	1.70	%	
Flow : 3.00 mm	1.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4600	MPa	ISO 527-1
Tensile Strength (23°C)	55	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.8	%	ISO 527-2
Flexural Modulus (23°C)	4300	MPa	ISO 178
Flexural Stress (23°C)	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	20.0	kJ/m ²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale, 23°C)	80		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	150	°C	ISO 75-2/B
1.8 MPa, Unannealed	75	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating ² (Equivalent)	HB		Internal Method

Notes

¹ 80x80x3mm

² UL94

Toray Industries, Inc.

