

Toraycon® 1101H

Polybutylene Terephthalate + PET

Toray Resin Company

Message:

Toraycon® 1101H is a Polybutylene Terephthalate + PET (PBT+PET) product filled with 40% mineral. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

Good Aesthetics

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Features	Pleasing Surface Appearance		
Part Marking Code	>PBT+PET-MD40<		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.84	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 3.00 mm ¹	1.7	%	
Flow : 3.00 mm ²	1.8	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale, 23°C)	80		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4600	MPa	ISO 527-2
Tensile Stress (23°C)	55.0	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	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	150	°C	ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
NOTE			
1.	80x80x3		
2.	80x80x3mm		

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