

Toraycon® 1158W

Polybutylene Terephthalate

Toray Resin Company

Message:

Toraycon® 1158W is a Polybutylene Terephthalate (PBT) product filled with 35% glass bead\glass fiber. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

Warp Resistant

General Information			
Filler / Reinforcement	Glass Bead\Glass Fiber,35% Filler by Weight		
Features	Low Warpage		
Part Marking Code	>PBT+P-(GF+GS)35<		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.49	g/cm³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 3.00 mm ¹	0.80	%	
Flow : 3.00 mm ²	0.40	%	
Water Absorption (23°C, 24 hr)	0.080	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	90.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.1	%	ISO 527-2
Flexural Modulus (23°C)	7800	MPa	ISO 178
Flexural Stress (23°C)	146	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	200	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	4.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
NOTE			
1.	80x80x3		
2.	80x80x3mm		

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