

Toraycon® EC44G-15

Polybutylene Terephthalate

Toray Resin Company

Message:

Toraycon® EC44G-15 is a Polybutylene Terephthalate (PBT) product filled with 15% glass fiber. It is available in Asia Pacific, Europe, or North America. Characteristics include:
Flame Rated
Flame Retardant
Halogen Free

General Information			
UL YellowCard	E41797-100055590		
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
Part Marking Code	>PBT-P-GF15 FR(40)<		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.48	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 3.00 mm ¹	1.0	%	
Flow : 3.00 mm ²	0.50	%	
Water Absorption (23°C, 24 hr)	0.070	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	90.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.7	%	ISO 527-2
Flexural Modulus (23°C)	5600	MPa	ISO 178
Flexural Stress (23°C)	140	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	192	°C	ISO 75-2/A
Electrical	Nominal Value		Test Method
Comparative Tracking Index (CTI)	PLC 0		UL 746
Flammability	Nominal Value		Test Method
Flame Rating (0.794 mm)	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Bar Flow Length ³ (250°C, 1.00 mm)	130	mm	Internal Method
NOTE			
1.	80x80x3		

2.	80x80x3mm
3.	93 MPa

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Recommended distributors for this material

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