

Toraycon™ EC34G-A15 PBT

TECHNICAL DATA

Product Description

V-0, GF15%

ISO Designation

- >PBT-I-GF15FR(40)<

Type

- PBT/Non-halogen, Flame retardant reinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.45	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 3.00 mm	1.40	%	
Flow : 3.00 mm	0.90	%	
Water Absorption ² (24 hr, 23°C)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	80	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.2	%	ISO 527-2
Flexural Modulus (23°C)	6500	MPa	ISO 178
Flexural Stress (23°C)	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	212	°C	
CLTE - Flow (-30 to 100°C)	4.0	cm ³ /cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI) ³	PLC 0		UL 746A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.75 mm)	V-0		UL 94

Notes

¹ 80x80x3mm

² in water

³ Equivalent

Toray Industries, Inc.

