

Torelina™ A604 L02

PPS

TECHNICAL DATA

Product Description

GF40%,Low chlorine

Uses

- Switches

Processing Method

- Injection Molding

ISO Designation

- >PPS-GF40<

Type

- PPS/GF reinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.66	g/cm ³	ISO 1183
Spiral Flow ¹	130	mm	Internal Method
Molding Shrinkage ²			Internal Method
Across Flow : 3.00 mm	0.80	%	
Flow : 3.00 mm	0.20	%	
Water Absorption ³ (24 hr, 23°C)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	190	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.6	%	ISO 527-2
Flexural Modulus (23°C)	14500	MPa	ISO 178
Flexural Stress (23°C)	280	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	55.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	> 260	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	2.3	cm ³ -5/cm/°C	
Transverse	3.5	cm ³ -5/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·m	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.200 mm)	V-0		UL 94

Notes

¹ Melt Temperature: 320°C, Injection Pressure: 980 bar, 1.00 mm

² 80x80x3mm

³ in water

Toray Industries, Inc.

