

Torelina™ A675M PPS

TECHNICAL DATA

Product Description

High impact, High strength

Uses

- Construction Applications
- Plumbing Parts
- Valves/Valve Parts
- White Goods & Small Appliances

Processing Method

- Injection Molding

ISO Designation

- >PPS-I-(GF+MD)50<

Type

- PPS/GF+Mineral filler reinforced, Elastomer modified

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.73	g/cm ³	ISO 1183
Spiral Flow ¹	110	mm	Internal Method
Molding Shrinkage ²			Internal Method
Across Flow : 3.00 mm	0.73	%	
Flow : 3.00 mm	0.13	%	
Water Absorption ³ (24 hr, 23°C)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	180	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.9	%	ISO 527-2
Flexural Modulus (23°C)	15000	MPa	ISO 178
Flexural Stress (23°C)	280	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	59.0	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
Melting Temperature	278	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	1.9	cm ³ /cm/°C	
Transverse	3.1	cm ³ /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 ⁴ (Equivalent)	V-0		Internal Method

Toray Industries, Inc.

