

Torelina™ A756MX02

PPS

TECHNICAL DATA

Product Description

Antistatic

Uses

- Industrial Applications

Processing Method

- Injection Molding

ISO Designation

- >PPS-(GF+MD)65<

Type

- PPS/Special purpose

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.86	g/cm ³	ISO 1183
Spiral Flow ¹	80	mm	Internal Method
Molding Shrinkage ²			Internal Method
Across Flow : 3.00 mm	0.60	%	
Flow : 3.00 mm	0.30	%	
Water Absorption ³ (24 hr, 23°C)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	110	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	0.80	%	ISO 527-2
Flexural Modulus (23°C)	19000	MPa	ISO 178
Flexural Stress (23°C)	190	MPa	ISO 178
Shear Strength (23°C)	75	MPa	JIS K7214
Taber Abrasion Resistance (1000 Cycles)	70	mg	ISO 9352
Coefficient of Friction - vs. Metal	0.25		
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	15.0	kJ/m ²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	> 260	°C	
Melting Temperature	278	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	2.0	cm ³ /cm/°C	
Transverse	2.8	cm ³ /cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+6	ohms·m	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	V-0		UL 94

Toray Industries, Inc.

