

Torelina™ A390M65
PPS+PPE

TECHNICAL DATA

Product Description

High filler, Dimensional stability, Low flash

Uses • Computer Components • Video Equipment

Processing Method • Injection Molding

ISO Designation • >PPS-PPE-(GF+MD)65<

Type • PPS/GF+Mineral filler reinforced

ASTM & ISO Properties

	Nominal Value	Unit	Test Method
Physical			
Density (23°C)	1.99	g/cm ³	ISO 1183
Spiral Flow ¹	80	mm	Internal Method
Molding Shrinkage ²			Internal Method
Across Flow : 3.00 mm	0.50	%	
Flow : 3.00 mm	0.25	%	
Water Absorption ³ (24 hr, 23°C)	0.020	%	ISO 62
Mechanical			
Tensile Strength (23°C)	105	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	0.90	%	ISO 527-2
Flexural Modulus (23°C)	19500	MPa	ISO 178
Flexural Stress (23°C)	210	MPa	ISO 178
Shear Strength (23°C)	60	MPa	JIS K7214
Taber Abrasion Resistance (1000 Cycles)	70	mg	ISO 9352
Coefficient of Friction - vs. Metal	0.30		
Impact			
Charpy Notched Impact Strength (23°C)	7.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	17.0	kJ/m ²	ISO 179
Hardness			
Rockwell Hardness (R-Scale)	122		ISO 2039-2
Thermal			
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 ⁻⁵ /cm/°C	
Transverse	2.5	cm ⁻⁵ /cm/°C	
Electrical			
Volume Resistivity	1.0E+14	ohms·m	IEC 60093
Electric Strength	21	kV/mm	IEC 60243-1
Dielectric Constant (23°C, 1 MHz)	5.3		IEC 60250
Dissipation Factor (23°C, 1 MHz)	0.002		IEC 60250
Flammability			
Flame Rating (0.72 mm)	V-0		UL 94



Toray Industries, Inc.

