

Torelina™ A900

PPS

TECHNICAL DATA

Product Description

Unreinforced, Standard

Uses	- Automotive Applications - Automotive Exterior Parts - Batteries
Processing Method	- Extrusion - Injection Molding
ISO Designation	>PPS<
Type	PPS/Unreinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.34	g/cm ³	ISO 1183
Spiral Flow ¹	200	mm	Internal Method
Molding Shrinkage ²			Internal Method
Across Flow : 3.00 mm	1.90	%	
Flow : 3.00 mm	1.40	%	
Water Absorption ³ (24 hr, 23°C)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	85	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	12	%	ISO 527-2
Flexural Modulus (23°C)	3800	MPa	ISO 178
Flexural Stress (23°C)	135	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	50.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	105	°C	
Melting Temperature	278	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	6.2	cm ³ /cm/°C	
Transverse	6.6	cm ³ /cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·m	IEC 60093
Electric Strength	30	kV/mm	IEC 60243-1
Dielectric Constant (23°C, 1 MHz)	3.5		IEC 60250
Dissipation Factor (23°C, 1 MHz)	0.001		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating ⁴ (Equivalent)	V-0		Internal Method

Toray Industries, Inc.

