

Torelina™ A670X01

PPS

TECHNICAL DATA

Product Description

Unreinforced, Elastomer modified

Uses	- Automotive Under the Hood - Fuel Lines - Tubing
Processing Method	- Extrusion - Injection Molding
ISO Designation	>PPS-I<
Type	PPS/Unreinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20	g/cm ³	ISO 1183
Spiral Flow ¹	180	mm	Internal Method
Molding Shrinkage ²			Internal Method
Across Flow : 3.00 mm	2.30	%	
Flow : 3.00 mm	2.30	%	
Water Absorption ³ (24 hr, 23°C)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	45	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	25	%	ISO 527-2
Flexural Modulus (23°C)	1800	MPa	ISO 178
Flexural Stress (23°C)	65	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	40.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	> 400.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	97	°C	
Melting Temperature	278	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	12	cm ³ /cm/°C	
Transverse	12	cm ³ /cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·m	IEC 60093
Electric Strength	34	kV/mm	IEC 60243-1
Dielectric Constant (23°C, 1 MHz)	3.0		IEC 60250
Dissipation Factor (23°C, 1 MHz)	0.002		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.0 mm, NC)	HB		UL 94

Notes

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

² 80x80x3mm

³ in water



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