"TORAY"
Innovation by Chemistry

TORELINA™

Torelina™ A602L X01
PPS

TECHNICAL DATA

Product Description
Laser weldability

Uses	• Automotive Applications	• Automotive Electronics	• Automotive Under the Hood
Processing Method	• Injection Molding		
ISO Designation	• >PPS-GF20<		
Type	• PPS/Special purpose		

ASTM & ISO Properties

Physical	**Nominal Value**	**Unit**	**Test Method**
Density (23°C)	1.48	g/cm³	ISO 1183
Spiral Flow [1]	125	mm	Internal Method
Molding Shrinkage [2]			Internal Method
Across Flow : 3.00 mm	0.70	%	
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)	125	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.1	%	ISO 527-2
Flexural Modulus (23°C)	7900	MPa	ISO 178
Flexural Stress (23°C)	200	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	8.0	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	240	°C	
Melting Temperature	278	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	2.9	cm^-5/cm/°C	
Transverse	4.9	cm^-5/cm/°C	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+14	ohms·m	IEC 60093
Electric Strength	29	kV/mm	IEC 60243-1
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating [4] (equivalent)	V-0		Internal Method

Toray Industries, Inc.