

Torelina™ A660H V PPS

TECHNICAL DATA

Product Description

CTI 600V

Uses

- Automotive Applications
- Automotive Electronics
- Automotive Under the Hood
- Electrical Housing

Processing Method

- Injection Molding

ISO Designation

- >PPS-I-(GF+MD)65<

Type

- PPS/Special purpose

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.84	g/cm ³	ISO 1183
Spiral Flow ¹	100	mm	Internal Method
Molding Shrinkage ²			Internal Method
Across Flow : 3.00 mm	0.65	%	
Flow : 3.00 mm	0.20	%	
Water Absorption ³ (24 hr, 23°C)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	115	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	0.70	%	ISO 527-2
Flexural Modulus (23°C)	18500	MPa	ISO 178
Flexural Stress (23°C)	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	18.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
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	2.4	cm ³ /cm/°C	
Transverse	2.9	cm ³ /cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·m	IEC 60093
Electric Strength	27	kV/mm	IEC 60243-1
Dielectric Constant (23°C, 1 MHz)	5.1		IEC 60250
Dissipation Factor (23°C, 1 MHz)	0.005		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.38 mm)	V-0		UL 94

Notes

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

² 80x80x3mm

³ in water



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