

Torelina™ A610MV

PPS

TECHNICAL DATA

Product Description

Heat cycle resistance, Tracking resistance

Uses • Automotive Applications • Automotive Electronics • Electrical Housing

Processing Method • Injection Molding

ISO Designation • >PPS-I-(GF+MD)60<

Type • PPS/GF+Mineral filler reinforced, Elastomer modified

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.82	g/cm ³	ISO 1183
Spiral Flow ¹	110	mm	Internal Method
Molding Shrinkage ²			Internal Method
Across Flow : 3.00 mm	0.54	%	
Flow : 3.00 mm	0.24	%	
Water Absorption ³ (24 hr, 23°C)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	165	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.4	%	ISO 527-2
Flexural Modulus (23°C)	16200	MPa	ISO 178
Flexural Stress (23°C)	256	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	51.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	> 260	°C	
Melting Temperature	278	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	1.8	cm ³ -5/cm/°C	
Transverse	2.1	cm ³ -5/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·m	IEC 60093
Electric Strength	21	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating ⁴ (Equivalent)	V-0		Internal Method

Notes

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

² 80x80x3mm

³ in water

⁴ UL94



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