

Siveras™ LX70G35 F LCP

TECHNICAL DATA

Product Description

Toughness, Low gas, High flow

Uses

- Camera Applications
- Cell Phones
- Computer Components
- Connectors
- Electrical Housing
- Electrical/Electronic Applications

Processing Method

- Injection Molding

ISO Designation

- >LCP-GF35<

Type

- LCP/GF reinforced

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.66	g/cm ³	ASTM D792
Molding Shrinkage ¹			Internal Method
Across Flow : 1.00 mm	0.60	%	
Flow : 1.00 mm	0.02	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	160	MPa	ASTM D638
23°C	150	MPa	ISO 527-2
Tensile Elongation			
Break	4.0	%	ASTM D638
Break, 23°C	2.3	%	ISO 527-2
Flexural Modulus			
--	15000	MPa	ASTM D790
23°C	14000	MPa	ISO 178
Flexural Strength			
--	180	MPa	ASTM D790
23°C	181	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	25.0	kJ/m ²	ISO 179
Notched Izod Impact	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	245	°C	
CLTE			ASTM D696
Flow	1.2	cm ³ -5/cm/°C	
Transverse	2.0	cm ³ -5/cm/°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.150 mm)	V-0		UL 94

Notes

¹ 80x80x1mm

Toray Industries, Inc.

