

Siveras™ L304G35V H LCP

TECHNICAL DATA

Product Description

High flow

Uses

- Cell Phones
- Computer Components
- Connectors
- 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	1.65	g/cm ³	ASTM D792
Molding Shrinkage ¹			Internal Method
Across Flow : 1.00 mm	0.83	%	
Flow : 1.00 mm	-0.03	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	135	MPa	ASTM D638
23°C	130	MPa	ISO 527-2
Tensile Elongation			
Break	3.0	%	ASTM D638
Break, 23°C	1.4	%	ISO 527-2
Flexural Modulus			
--	13000	MPa	ASTM D790
23°C	13200	MPa	ISO 178
Flexural Strength			
--	160	MPa	ASTM D790
23°C	177	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	270	°C	
CLTE			ASTM D696
Flow	0.80	cm ³ /cm/°C	
Transverse	2.0	cm ³ /cm/°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI) ²	PLC 3		UL 746A
Flammability	Nominal Value	Unit	Test Method
Flame Rating ³ (0.8 mm, Equivalent)	V-0		Internal Method

Toray Industries, Inc.

