

Siveras™ LX70G35F

Liquid Crystal Polymer

Toray Resin Company

Message:

Siveras™ LX70G35F is a Liquid Crystal Polymer (LCP) product filled with 35% glass fiber. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

Good Toughness

High Flow

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Features	Good Toughness		
	High Flow		
Part Marking Code	>LCP-GF35<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.66	g/cm ³	ASTM D792
Molding Shrinkage			Internal Method
Across Flow : 1.00 mm ¹	0.60	%	
Flow : 1.00 mm ²	0.020	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	160	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	15000	MPa	ASTM D790
Flexural Strength	180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	245	°C	ASTM D648
CLTE - Flow	1.2E-5 to 2.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value		Test Method
Comparative Tracking Index (CTI)	PLC 3		UL 746
Flammability	Nominal Value		Test Method
Flame Rating (0.150 mm)	V-0		UL 94
NOTE			
1.	80x80x1		
2.	80x80x1mm		

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