

Siveras™ L304G35H

Liquid Crystal Polymer

Toray Resin Company

Message:

Siveras™ L304G35H 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

High Flow

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Features	High Flow		
Part Marking Code	>LCP-GF35<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.65	g/cm ³	ASTM D792
Molding Shrinkage			Internal Method
Across Flow : 1.00 mm ¹	0.83	%	
Flow : 1.00 mm ²	-0.030	%	
Water Absorption (23°C, 24 hr)	0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	135	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	13000	MPa	ASTM D790
Flexural Strength	160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	270	°C	ASTM D648
CLTE - Flow	6.0E-6 to 2.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	50	kV/mm	ASTM D149
Dielectric Constant	4.10		ASTM D150
Comparative Tracking Index (CTI)	PLC 3		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.200 mm)	V-0		UL 94
NOTE			
1.	80x80x1		
2.	80x80x1mm		

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