

# Siveras™ L304X35H

Liquid Crystal Polymer

Toray Resin Company

## Message:

Siveras™ L304X35H is a Liquid Crystal Polymer (LCP) product filled with 35% glass\mineral. It is available in Asia Pacific, Europe, or North America. Characteristics include:  
Flame Rated  
High Flow  
Warp Resistant

General Information			
Filler / Reinforcement	Glass\Mineral,35% Filler by Weight		
Features	High Flow		
	Low Warpage		
Part Marking Code	>LCP-(GF+MD)35<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.68	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			Internal Method
Across Flow : 1.00 mm <sup>1</sup>	0.58	%	
Flow : 1.00 mm <sup>2</sup>	-0.060	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	130	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	10200	MPa	ASTM D790
Flexural Strength	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	260	°C	ASTM D648
CLTE - Flow	8.0E-6 to 1.6E-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
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.380 mm)	V-0		UL 94
NOTE			
1.	80x80x1		
2.	80x80x1mm		

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