

# Siveras™ L304M35H

Liquid Crystal Polymer

Toray Resin Company

Message:

Siveras™ L304M35H 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	1.67	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			Internal Method
Across Flow : 1.00 mm <sup>1</sup>	0.85	%	
Flow : 1.00 mm <sup>2</sup>	0.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	110	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	11300	MPa	ASTM D790
Flexural Strength	125	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	260	°C	ASTM D648
CLTE - Flow	3.0E-6 to 2.8E-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 (0.380 mm)	V-0		UL 94
NOTE			
1.	80x80x1		
2.	80x80x1mm		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

