

Siveras™ LX70M35H

Liquid Crystal Polymer

Toray Resin Company

Message:

Siveras™ LX70M35H 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
Good Toughness
High Flow

General Information			
UL YellowCard	E41797-645576		
Filler / Reinforcement	Glass\Mineral,35% Filler by Weight		
Features	Good Toughness		
	High Flow		
Part Marking Code	>LCP-(GF+MD)35<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.67	g/cm³	ASTM D792
Molding Shrinkage			Internal Method
Across Flow : 1.00 mm ¹	0.45	%	
Flow : 1.00 mm ²	0.040	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	140	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	13000	MPa	ASTM D790
Flexural Strength	155	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)	240	°C	ASTM D648
CLTE - Flow	8.0E-6 to 1.9E-5	cm/cm/°C	ASTM D696
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

