

Siveras™ LX70M50

Liquid Crystal Polymer
Toray Resin Company

Message:

Siveras™ LX70M50 is a Liquid Crystal Polymer (LCP) product filled with 50% glass\mineral. It is available in Asia Pacific, Europe, or North America. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass\Mineral,50% Filler by Weight		
Features	Low Anisotropy		
Part Marking Code	>LCP-(GF+MD)50<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm ³	ASTM D792
Molding Shrinkage			Internal Method
Across Flow : 1.00 mm ¹	0.40	%	
Flow : 1.00 mm ²	0.15	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	110	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	15500	MPa	ASTM D790
Flexural Strength	150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	240	°C	ASTM D648
CLTE - Flow	1.6E-5 to 2.0E-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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Recommended distributors for this material

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