

# Siveras™ LX70T40F

Liquid Crystal Polymer

Toray Resin Company

Message:

Siveras™ LX70T40F is a Liquid Crystal Polymer (LCP) product filled with 40% glass\mineral. It is available in Asia Pacific, Europe, or North America. Characteristics include:  
Flame Rated  
Good Toughness

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Features	Good Toughness		
Part Marking Code	>LCP-(GF+MD)40<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.72	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			Internal Method
Across Flow : 1.00 mm <sup>1</sup>	0.63	%	
Flow : 1.00 mm <sup>2</sup>	-0.050	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	140	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	14000	MPa	ASTM D790
Flexural Strength	160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	240	°C	ASTM D648
CLTE - Flow	6.0E-6 to 3.0E-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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