

Siveras™ LX70T45

Liquid Crystal Polymer
Toray Resin Company

Message:

Siveras™ LX70T45 is a Liquid Crystal Polymer (LCP) product filled with 45% glass\mineral. It is available in Asia Pacific, Europe, or North America.
Characteristics include:
Flame Rated
Good Toughness
Warp Resistant

General Information			
Filler / Reinforcement	Glass\Mineral,45% Filler by Weight		
Features	Good Toughness		
	Low Warpage		
Part Marking Code	>LCP-(GF+MD)45<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75	g/cm ³	ASTM D792
Molding Shrinkage			Internal Method
Across Flow : 1.00 mm ¹	0.54	%	
Flow : 1.00 mm ²	0.040	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	130	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	14500	MPa	ASTM D790
Flexural Strength	175	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)	250	°C	ASTM D648
CLTE - Flow	1.1E-5 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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