

Siveras™ LX70T35H

Liquid Crystal Polymer
Toray Resin Company

Message:

Siveras™ LX70T35H is a Liquid Crystal Polymer (LCP) product filled with 35% glass\mineral. It is available in Asia Pacific, Europe, or North America. Typical application: Outdoor Applications. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass\Mineral,35% Filler by Weight		
Part Marking Code	>LCP-(GF+MD)35 <		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.68	g/cm ³	ASTM D792
Molding Shrinkage			Internal Method
Across Flow : 1.00 mm ¹	0.45	%	
Flow : 1.00 mm ²	0.030	%	
Outdoor Suitability	f2		UL 746C
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	130	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	11500	MPa	ASTM D790
Flexural Strength	155	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	65	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
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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