

Siveras™ L304M35

Liquid Crystal Polymer

Toray Resin Company

Message:

Siveras™ L304M35 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

High Flow

Warp Resistant

General Information			
UL YellowCard	E41797-233390		
Filler / Reinforcement	Glass\Mineral,35% Filler by Weight		
Features	High Flow		
	Low Warpage		
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	0.55	%	
Flow : 1.00 mm ²	0.14	%	
Water Absorption (23°C, 24 hr)	0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	125	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	13000	MPa	ASTM D790
Flexural Strength	160	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)	270	°C	ASTM D648
CLTE - Flow	8.0E-6 to 1.9E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	58	kV/mm	ASTM D149
Dielectric Constant	4.10		ASTM D150
Comparative Tracking Index (CTI)	PLC 3		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.380 mm)	V-0		UL 94

NOTE

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|----|-----------|
| 1. | 80x80x1 |
| 2. | 80x80x1mm |

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