

LAPEROS® D130M

Liquid Crystal Polymer

Polyplastics Co., Ltd.

Message:

Super High Flow, Chopped glass fiber reinforced, Encapsulation

General Information			
UL YellowCard	E106764-218433		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	High Flow		
UL File Number	E106764		
Part Marking Code (ISO 11469)	>LCP-GF30<		
Physical	Nominal Value	Unit	Test Method
Density	1.61	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 1.00 mm	0.61	%	
Flow : 1.00 mm	0.13	%	
Water Absorption (23°C, 24 hr)	0.030	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	100	MPa	ASTM D638
Tensile Elongation (Break)	1.8	%	ASTM D638
Flexural Modulus	10800	MPa	ISO 178
Flexural Stress	140	MPa	ISO 178
Flexural Strain	2.0	%	ISO 178
Color Number	BK010P		
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.0E+16	ohms·cm	IEC 60093
Electric Strength (1.00 mm)	28	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
1 kHz	4.30		
1 MHz	3.80		
Dissipation Factor			IEC 60250
1 kHz	0.020		
1 MHz	0.020		
Arc Resistance	68.0	sec	

Comparative Tracking Index	175	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
NOTE			
1.	80x80x1 mm; Inj. Pressure 60MPa		

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