

LAPEROS® A230

Liquid Crystal Polymer

Polyplastics Co., Ltd.

Message:

Standard, CF reinforced

General Information			
UL YellowCard	E106764-218405		
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
UL File Number	E106764		
Part Marking Code (ISO 11469)	>LCP-CF30<		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 1.00 mm	0.24	%	
Flow : 1.00 mm	-0.060	%	
Water Absorption (23°C, 24 hr)	0.040	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	85		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	200	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	29000	MPa	ISO 178
Flexural Stress	300	MPa	ISO 178
Flexural Strain	1.7	%	ISO 178
Color Number	BK430P		
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	12	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	240	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.0E+3	ohms·cm	Internal Method
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
NOTE			

1. 80x80x1 mm; Inj. Pressure 79MPa

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