

LAPEROS® HA475

Liquid Crystal Polymer

Polyplastics Co., Ltd.

Message:

Super High Flow, Low Warpage

General Information			
Filler / Reinforcement	Glass Fiber		
	Mineral		
Features	High Flow		
	Low Warpage		
UL File Number	E106764		
Part Marking Code (ISO 11469)	>LCP-(GF+MD)30<		
Physical	Nominal Value	Unit	Test Method
Density	1.64	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 1.00 mm	0.31	%	
Flow : 1.00 mm	0.020	%	
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	12000	MPa	ISO 178
Flexural Stress	140	MPa	ISO 178
Flexural Strain	2.5	%	ISO 178
Color Number	VF2201/BK210P		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	275	°C	ISO 75-2/B
1.8 MPa, Unannealed	240	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+16	ohms·cm	IEC 60093
Electric Strength			IEC 60243-1
1.00 mm	43	kV/mm	
3.00 mm	21	kV/mm	
Dielectric Constant			IEC 60250
1 kHz	4.00		
1 MHz	3.50		
Dissipation Factor			IEC 60250
1 kHz	0.020		
1 MHz	0.030		

Arc Resistance	47.0	sec	
Comparative Tracking Index	150	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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