

LAPEROS® E477i

Liquid Crystal Polymer

Polyplastics Co., Ltd.

Message:

High Heat Resistance, High Flow, Low warpage, High flow

General Information			
UL YellowCard	E106764-100903226		
Filler / Reinforcement	Mineral,25% Filler by Weight		
Features	High Flow		
	High Heat Resistance		
	Low Warpage		
UL File Number	E106764		
Part Marking Code (ISO 11469)	>LCP-MD25<		
Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 1.00 mm	0.25	%	
Flow : 1.00 mm	0.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	125	MPa	ASTM D638
Tensile Elongation (Break)	2.2	%	ASTM D638
Flexural Modulus	12800	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Flexural Strain	3.0	%	ISO 178
Color Number	VF2201/BK210P		
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	270	°C	ISO 75-2/B
1.8 MPa, Unannealed	235	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Electric Strength			IEC 60243-1
1.00 mm	44	kV/mm	
3.00 mm	24	kV/mm	
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
NOTE			

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Recommended distributors for this material

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