

HOPELEX PCN-2001

Polycarbonate

Lotte Chemical Corporation

Message:

Easy mold release

Available in transparent, translucent and opaque color

General Information			
Features	Good Mold Release		
Uses	Electrical Housing		
RoHS Compliance	RoHS Compliant		
Appearance	Clear/Transparent		
	Opaque		
	Translucent		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	63.7	MPa	ASTM D638
Tensile Elongation ² (Break)	> 100	%	ASTM D638
Flexural Modulus ³	2350	MPa	ASTM D790
Flexural Strength ⁴ (Yield)	88.3	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	740	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	130	°C	ASTM D648

Flammability	Nominal Value	Test Method
Flame Rating		UL 94
1.50 mm	V-2	
3.00 mm	V-2	

Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Suggested Max Regrind	20	%
Hopper Temperature	60.0 to 80.0	°C
Rear Temperature	270 to 290	°C
Middle Temperature	260 to 280	°C
Front Temperature	250 to 270	°C

Nozzle Temperature	260 to 280	°C
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	60.0 to 90.0	°C

NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	10 mm/min	
4.	10 mm/min	

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