

HOPELEX PCN-2001TA

Polycarbonate

Lotte Chemical Corporation

Message:

Medium viscosity, easy mold release

Available in transparent ice blue color only

General Information	
Features	Good Mold Release
	Medium Viscosity
Uses	Electrical Housing
Appearance	Blue
	Clear/Transparent

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	290 to 310	°C	
Middle Temperature	280 to 300	°C	
Front Temperature	270 to 290	°C	

Nozzle Temperature	280 to 300	°C
Processing (Melt) Temp	290 to 310	°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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