

HOPELEX AG-3020

Polycarbonate + ABS

Lotte Chemical Corporation

Message:

PC/ABS with balanced flowability, impact properties and hydrolytic stability

General Information			
Features	Good Flow		
	Good Impact Resistance		
	Hydrolytically Stable		
Uses	Electrical Housing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	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)	56.9	MPa	ASTM D638
Tensile Elongation ² (Break)	> 80	%	ASTM D638
Flexural Modulus ³	2350	MPa	ASTM D790
Flexural Strength ⁴ (Yield)	86.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	98	J/m	
23°C, 3.18 mm	540	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°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	240 to 260	°C	
Middle Temperature	240 to 260	°C	
Front Temperature	230 to 250	°C	
Nozzle Temperature	240 to 260	°C	
Processing (Melt) Temp	240 to 260	°C	
Mold Temperature	60.0 to 80.0	°C	
NOTE			

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

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