

HOPELEX AN-3800

Polycarbonate + ABS

Lotte Chemical Corporation

Message:

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

Non-brominated, non-chlorinated flame retardant

Heat resistance

General Information			
Additive	Flame Retardant		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
	Good Flow		
	Good Impact Resistance		
	High Heat Resistance		
	Hydrolytically Stable		
Uses	Electrical Housing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	61.8	MPa	ASTM D638
Tensile Elongation ² (Break)	> 80	%	ASTM D638
Flexural Modulus ³	2260	MPa	ASTM D790
Flexural Strength ⁴ (Yield)	83.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	590	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.50 mm	V-0		
	V-0		
2.00 mm	5VB		

V-0

3.00 mm

5VB

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	230 to 250	°C
Front Temperature	220 to 240	°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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