Lupoy® HG5000B

Polycarbonate + ABS

LG Chem Ltd.

Message:

Description
High Gloss, Heat Resistance,High Flow
Application
E&E(housing)

General Information			
Features	High Flow High Gloss Medium Heat Resistance		
Uses	Electrical Housing		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.14	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.80	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, 3.20 mm)	59.8	MPa	ASTM D638
Tensile Elongation [2] (Break, 3.20 mm)	> 100	%	ASTM D638
Flexural Modulus [3] (3.20 mm)	2260	MPa	ASTM D790
Flexural Strength [4] (Yield, 3.20 mm)	91.2	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.20 mm)	550	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load [5] (0.45 MPa, Unannealed, 6.40 mm)	114	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Flammability	**Nominal Value**		**Test Method**
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 to 100	°C	

Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	< 0.020	%
Rear Temperature	240 to 270	°C
Middle Temperature	245 to 275	°C
Front Temperature	245 to 275	°C
Nozzle Temperature	245 to 275	°C
Processing (Melt) Temp	250 to 275	°C
Mold Temperature	50.0 to 70.0	°C
Screw Speed	40 to 70	rpm

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	10 mm/min
4.	10 mm/min
5.	18.6kg

Recommended distributors for this material

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