Lupoy® EU5000G

LG Chem Ltd. - Polycarbonate + ASA

Friday, May 24, 2019

General Information

Product Description			
Description			
Low Gloss, Heat Resistance, Good Flow			
Application			
Automotive (Interior)			

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Features	• Good Flow	• Good Heat Resistance	• Low Gloss
Uses	• Automotive Applications	• Automotive Interior Parts	
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.10	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield, 3.20 mm)	53.9	MPa	ASTM D638
Tensile Elongation [2] (Break, 3.20 mm)	> 100	%	ASTM D638
Flexural Modulus [3] (3.20 mm)	2060	MPa	ASTM D790
Flexural Strength [3] (3.20 mm Span)	78.9	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	110	J/m	
23°C, 3.20 mm	340	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed, 6.40 mm	110	°C	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	80 to 100	°C
Drying Time	4.0 to 6.0	hr
Minimum Moisture Content	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 to 70	°C

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Injection	Nominal Value	Unit
Screw Speed	40 to 70	rpm

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 50 mm/min

[3] 10 mm/min