



# Lupoy® GP5008A

LG Chem Ltd. - Polycarbonate + ABS

Saturday, July 20, 2019

## General Information

### Product Description

Description  
General Purpose, High Flow

Application  
Miscellaneous Goods

### General

Material Status	• Commercial: Active	
Availability	• Asia Pacific • Europe	• Latin America • North America
Features	• General Purpose	• High Flow
Uses	• General Purpose	
Forms	• Pellets	
Processing Method	• Injection Molding	

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.10	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C, 3.20 mm, Injection Molded)	0.50 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup>			ASTM D638
Yield, 23°C, 3.20 mm, Injection Molded	39.2	MPa	
Flexural Modulus <sup>3</sup> (23°C, 3.20 mm, Injection Molded)	1670	MPa	ASTM D790
Flexural Strength <sup>3</sup> (23°C, 3.20 mm, Injection Molded)	59.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	450	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed, 6.40 mm, Injection Molded	91.0	°C	

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	80 to 90	°C
Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	230 to 250	°C
Middle Temperature	235 to 255	°C
Front Temperature	235 to 255	°C
Nozzle Temperature	235 to 255	°C
Processing (Melt) Temp	235 to 250	°C
Mold Temperature	50 to 70	°C
Screw Speed	40 to 70	rpm

UL and the UL logo are trademarks of UL LLC © 2019. All Rights Reserved.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

# Lupoy® GP5008A

## LG Chem Ltd. - Polycarbonate + ABS

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

---

<sup>2</sup> 50 mm/min

---

<sup>3</sup> 10 mm/min