

General Information
Product Description

 Description
 Flame Retardance, General Purpose

 Application
 E&E(Housing)

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • Latin America • North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant • General Purpose
Uses	• Electrical/Electronic Applications • Housings
UL File Number	• E67171

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.35	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C, 3.20 mm, Injection Molded)	1.0 to 3.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (23°C, 3.20 mm, Injection Molded)	93.2	MPa	ASTM D638
Tensile Elongation ² Break, 23°C, 3.20 mm, Injection Molded	4.0	%	ASTM D638
Flexural Modulus ³ (23°C, 3.20 mm, Injection Molded)	5690	MPa	ASTM D790
Flexural Strength ³ (23°C, 3.20 mm, Injection Molded)	137	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	69	J/m	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C, Injection Molded)	117		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed, 6.40 mm, Injection Molded	120	°C	ASTM D648
RTI Elec (1.7 mm)	60.0	°C	UL 746
RTI Imp (1.7 mm)	60.0	°C	UL 746
RTI Str (1.7 mm)	60.0	°C	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating 1.7 mm 3.0 mm	V-0 V-0		UL 94

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® GP5206F

LG Chem Ltd. - Polycarbonate + ABS

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	75 to 85	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	220 to 240	°C
Middle Temperature	235 to 255	°C
Front Temperature	250 to 265	°C
Nozzle Temperature	250 to 265	°C
Processing (Melt) Temp	235 to 265	°C
Mold Temperature	50 to 80	°C
Back Pressure	0.0196 to 0.0588	MPa
Screw Speed	40 to 70	rpm

Notes

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

² 5.0 mm/min

³ 1.3 mm/min