

## Technical Data

### Product Description

General Purpose

Application

Automotive Parts, Electrical & Electronic Parts, IT/OA

Material Type

PC+GF10%

### General

Material Status	• Commercial: Active		
Search for UL Yellow Card	• LG Chem Ltd. • Lupoy®		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight		
Uses	• Automotive Applications	• Electrical/Electronic Applications	• General Purpose

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.25 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	13 g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40 %	ASTM D955
Mechanical	Nominal Value Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	78.5 MPa	ASTM D638
Flexural Modulus <sup>3</sup> (3.20 mm)	3530 MPa	ASTM D790
Flexural Strength <sup>3</sup> (3.20 mm)	127 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	69 J/m	ASTM D256
Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	124	ASTM D785
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed, 6.40 mm	140 °C	ASTM D648
RTI Elec	80.0 °C	UL 746
RTI Imp	80.0 °C	UL 746
RTI Str	80.0 °C	UL 746

Injection	Nominal Value Unit
Drying Temperature	100 to 120 °C
Drying Time	3.0 to 5.0 hr
Suggested Max Moisture	0.020 %
Rear Temperature	270 to 300 °C
Middle Temperature	280 to 310 °C
Front Temperature	290 to 330 °C
Nozzle Temperature	290 to 330 °C
Processing (Melt) Temp	300 to 340 °C
Mold Temperature	90 to 120 °C
Screw Speed	40 to 70 rpm

### Notes

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

<sup>2</sup> 5.0 mm/min

<sup>3</sup> 1.3 mm/min



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**Where to Buy**

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**Supplier****LG Chem Ltd.**

Englewood Cliffs, NJ USA

**Telephone:** 201-816-2302**Web:** <http://www.chemwide.com/>

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**Distributor****Channel Prime Alliance****Telephone:** 800-247-8038**Web:** <http://www.channelpa.com/>**Availability:** North America**Chase Plastic Services, Inc.***Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here: <http://www.chaseplastics.com/contact/locations>***Telephone:** 800-232-4273**Web:** <http://www.chaseplastics.com/>**Availability:** North America**Conventus Polymers****Telephone:** 973-343-7669**Web:** <http://www.conventuspolymers.com/>**Availability:** North America**Distrupol Ltd***Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.***Telephone:** 08452003040**Web:** <http://www.distrupol.com/>**Availability:** Belgium, Denmark, Finland, Luxembourg, Netherlands, Norway, Sweden**GAZECHIM PLASTIQUES***GAZECHIM PLASTIQUES is a Pan European distribution company. Contact GAZECHIM PLASTIQUES for availability of individual products by country.***Telephone:** +33-4-67-49-55-37**Web:** <http://www.gazechim.com/>**Availability:** Italy**Resin Resource, Inc.****Telephone:** 877-652-3431**Web:** <http://www.resinresourceinc.com/>**Availability:** North America**RESINEX Group***RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.***Telephone:** +32-14-672511**Web:** <http://www.resinex.com/>**Availability:** Europe**SNETOR Distribution***SNETOR Distribution is a Pan European distribution company. Contact SNETOR for availability of individual products by country.***Telephone:** +33-1-4904-8888**Web:** <http://www.snetor.com/>**Availability:** France