

Technical Data

Product Description

High Gloss

Application

Automotive Parts, Electrical & Electronic Parts

Material Type

PC/ABS

General

Material Status

- Commercial: Active

Search for UL Yellow Card

- LG Chem Ltd.
- Lupoy®

Availability

- Asia Pacific
- Europe
- Latin America
- North America

Features

- High Gloss

Uses

- Automotive Applications
- Electrical/Electronic Applications

Physical	Nominal Value Unit	Test Method
Density	1.16 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	24 g/10 min	ISO 1133
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.80 %	ISO 294-4

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	2400 MPa	ISO 527-2/1
Tensile Stress (Yield)	60.0 MPa	ISO 527-2/50
Tensile Strain (Break)	110 %	ISO 527-2/50
Flexural Modulus ²	2270 MPa	ISO 178
Flexural Stress ²	89.0 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179
-30°C	45 kJ/m ²	
23°C	44 kJ/m ²	
Charpy Unnotched Impact Strength		ISO 179
-30°C	No Break	
23°C	No Break	
Notched Izod Impact Strength		ISO 180
-30°C	15 kJ/m ²	
23°C	40 kJ/m ²	

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature		ISO 75-2/Af
1.8 MPa, Unannealed	112 °C	
Vicat Softening Temperature	130 °C	ISO 306/B50

Flammability	Nominal Value Unit	Test Method
Flame Rating (1.6 mm)	HB	UL 94

Injection	Nominal Value Unit
Drying Temperature	80 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



Lupoy® HR5007AS

Polycarbonate + ABS

LG Chem Ltd.

PROSPECTOR®

www.ulprospector.com

Injection	Nominal Value Unit
Nozzle Temperature	245 to 275 °C
Processing (Melt) Temp	250 to 275 °C
Mold Temperature	50 to 70 °C
Screw Speed	40 to 70 rpm

Notes

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

² 2.0 mm/min



Where to Buy

Supplier**LG Chem Ltd.**

Englewood Cliffs, NJ USA

Telephone: 201-816-2302

Web: <http://www.chemwide.com/>

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

