

Technical Data

Product Description

High Impact

Application
Automotive Interior

Material Type
PC/ABS

General

Material Status • Commercial: Active

Search for UL Yellow Card • LG Chem Ltd.
• Lupoy®

Availability • Asia Pacific • Latin America
• Europe • North America

Features • High Impact Resistance

Uses • Automotive Interior Parts

Physical	Nominal Value Unit	Test Method
Density	1.11 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	10 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	2000 MPa	ISO 527-1/1
Tensile Stress (Yield)	45.0 MPa	ISO 527-2/50
Tensile Strain (Break)	> 100 %	ISO 527-2/50
Flexural Modulus ²	2000 MPa	ISO 178
Flexural Stress ²	75.0 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179
-30°C	33 kJ/m ²	
23°C	52 kJ/m ²	

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	94.0 °C	ISO 75-2/Af
Vicat Softening Temperature	113 °C	ISO 306/B50

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 260 °C
Middle Temperature	250 to 270 °C
Front Temperature	250 to 270 °C
Nozzle Temperature	250 to 280 °C
Processing (Melt) Temp	240 to 260 °C
Mold Temperature	60 to 80 °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, Englewood Cliffs 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