

General Information
Product Description

 Description
 Weather Resistance, High impact

 Application
 Automotive Exterior

General

Material Status	• Commercial: Active	
Availability	• Asia Pacific • Europe	• Latin America • North America
Features	• High Impact Resistance	• Weather Resistant
Uses	• Automotive Applications	• Automotive Exterior Parts
Processing Method	• Injection Molding	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	23	g/10 min	ISO 1133
Molding Shrinkage ² (23°C)	0.50 to 0.80	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, Injection Molded)	2010	MPa	ISO 527-2/50
Tensile Stress (Yield, 23°C, Injection Molded)	48.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C, Injection Molded)	80	%	ISO 527-2/50
Flexural Modulus ³ (23°C, Injection Molded)	1900	MPa	ISO 178
Flexural Stress ³ (23°C, Injection Molded)	72.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C, Injection Molded	10	kJ/m ²	
23°C, Injection Molded	40	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ² (1.8 MPa, Unannealed)	98.0	°C	ISO 75-2/Af
Vicat Softening Temperature	117	°C	ISO 306/B50

Processing Information

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
Nozzle Temperature	245 to 275	°C
Processing (Melt) Temp	240 to 270	°C

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Lupoy® EU5002W

LG Chem Ltd. - Polycarbonate + ASA

Injection	Nominal Value	Unit
Mold Temperature	50 to 70	°C
Back Pressure	0.490 to 1.47	MPa
Screw Speed	40 to 70	rpm

Notes

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

² Injection Molded

³ 2.0 mm/min