

LUPOY ER5002N

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	25	g/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2850	MPa	ISO 527
Yield stress	49	MPa	ISO 527
Strain at break	90	%	ISO 527
Flexural modulus, 23°C	2280	MPa	ISO 178
Flexural strength	80	MPa	ISO 178
Izod notched impact strength, +23°C	45	kJ/m ²	ISO 180/1A
Izod notched impact strength	31	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, B	111	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1110	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 270	°C	-
Mold temperature	50 - 70	°C	-
Zone 1	240 - 270	°C	-
Zone 2	245 - 275	°C	-
Zone 3	245 - 275	°C	-
Nozzle temperature	245 - 275	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.5 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Certifications

Recycled Resin Content

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific, South and Central America