

**LUPOL EI5002L**

PP

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	25	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.017	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	25	MPa	ASTM D 638
Elongation at Break	80	%	ASTM D 638
Flexural Modulus	1275	MPa	ASTM D 790
Flexural Strength	34.3	MPa	ASTM D 790
Izod Impact notched, 1/4 in	196	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	49	J/m	ASTM D 256
Temperature	-10	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 66 psi	120	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	910	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.01	%	-
Melt temperature	200 - 230	°C	-
Mold temperature	40 - 60	°C	-
Zone 1	190 - 210	°C	-
Zone 2	200 - 230	°C	-
Zone 3	200 - 230	°C	-
Nozzle temperature	210 - 230	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	30 - 60	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

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

**Applications**

Automotive, General Purpose