

LUPOY GP1000LS

PC

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	30	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	61.8	MPa	ASTM D 638
Elongation at Break	150	%	ASTM D 638
Flexural Modulus	2315	MPa	ASTM D 790
Flexural Strength	98.1	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	660	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	130	°C	ASTM D 648
Vicat Temperature	141	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	250	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	17	kV/mm	ASTM D 149
Volume Resistivity	2E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1210	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	300 - 320	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	260 - 280	°C	-
Zone 2	280 - 300	°C	-
Zone 3	300 - 320	°C	-
Nozzle temperature	300 - 320	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	1 - 4	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Transparent

Applications

Automotive, IT / Business Machine, Electrical and Electronical, General Purpose

Regional Availability

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