LUPOY GN1002FH

PC LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	**13**	g/10min	ASTM D 1238
Temperature	**300**	°C	-
Load	**1.2**	kg	-
Mold Shrinkage, MD	**0.0065**	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	**100**	%	ASTM D 638
Flexural Modulus	**2453**	MPa	ASTM D 790
Flexural Strength	**96.1**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**736**	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	**118**	J/m	ASTM D 256
Temperature	**-30**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. 5V at thickness h	**5VB**	class	IEC 60695-11-20
Thickness tested	**2.0**	mm	-
ASTM Data			
UL 94 Flame rating	**V-0**	-	UL 94
Thickness tested	**1.5**	mm	-
DTUL @ 264 psi	**121**	°C	ASTM D 648
Vicat Temperature	**135**	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	**1200**	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**90 - 100**	°C	-
Pre-drying - Time	**3 - 4**	h	-
Processing humidity	**≤0.02**	%	-
Melt temperature	**275 - 290**	°C	-
Mold temperature	**80 - 100**	°C	-
Zone 1	**270 - 285**	°C	-
Zone 2	**275 - 290**	°C	-
Zone 3	**275 - 290**	°C	-
Nozzle temperature	**270 - 285**	°C	-
Screw speed	**40 - 80**	rpm	-
Back pressure	**2**	MPa	-

Characteristics

Processing
Injection Molding

Applications
IT / Business Machine

Special Characteristics
Flame retardant, Halogen-free, High impact or impact modified, Heat stabilized or stable to heat

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

Chemical Resistance
General Chemical Resistance