

LUMILOY GP2100

PPO-GF10

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	13	g/10min	ASTM D 1238
Temperature	280	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0065	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	81.4	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Modulus	3963	MPa	ASTM D 790
Flexural Strength	157	MPa	ASTM D 790
Izod Impact notched, 1/8 in	98.1	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 264 psi	136	°C	ASTM D 648
Other properties			
Density	1120	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	4 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	280 - 320	°C	-
Mold temperature	70 - 110	°C	-
Zone 1	260 - 300	°C	-
Zone 2	270 - 310	°C	-
Zone 3	270 - 310	°C	-
Nozzle temperature	270 - 310	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Chemical Resistance

Hydrolytically Stable

Certifications

Drinking water contact

Applications

Electrical and Electronical, General Purpose

Regional Availability

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