

LUMILOY GP2300

PPO-GF30

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	9	g/10min	ASTM D 1238
Temperature	280	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	7800	MPa	ASTM D 638
Tensile Strength at Yield	127	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	7750	MPa	ASTM D 790
Flexural Strength	127	MPa	ASTM D 790
Izod Impact notched, 1/8 in	128	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	17	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	70	E-6/K	ASTM D 696
DTUL @ 264 psi	139	°C	ASTM D 648
Vicat Temperature	148	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	137	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	36	kV/mm	ASTM D 149
Volume Resistivity	1E11	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1280	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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

Delivery form

Black

Certifications

Drinking water contact, Drinking water contact NSF 61

Applications

Electrical and Electronical, General Purpose

Special Characteristics

High impact or impact modified

Regional Availability

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

Chemical Resistance

Hydrolytically Stable