

**LUPOX GP2306FI**

PBT-GF30

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Break	124	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	8825	MPa	ASTM D 790
Flexural Strength	190	MPa	ASTM D 790
Izod Impact notched, 1/8 in	66	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.71	mm	-
DTUL @ 66 psi	215	°C	ASTM D 648
DTUL @ 264 psi	205	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	28	kV/mm	ASTM D 149
Volume Resistivity	1E17	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1620	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	245 - 255	°C	-
Mold temperature	60 - 100	°C	-
Zone 1	235 - 250	°C	-
Zone 2	240 - 250	°C	-
Zone 3	245 - 255	°C	-
Nozzle temperature	245 - 255	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, High impact or impact modified

**Applications**

IT / Business Machine, Electrical and Electronical

**Regional Availability**

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