

LUPOX GP1006FD

PBT

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.016	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	51	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2256	MPa	ASTM D 790
Flexural Strength	71.6	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	56.6	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.55	mm	-
DTUL @ 66 psi	165	°C	ASTM D 648
DTUL @ 264 psi	62	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418
Electrical properties			
ISO Data			
Comparative tracking index	600	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Volume Resistivity	1E13	Ohm*cm	ASTM D 257
Other properties			
Density	1420	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 250	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	230 - 235	°C	-
Zone 2	235 - 245	°C	-
Zone 3	235 - 245	°C	-
Nozzle temperature	240 - 250	°C	-

Characteristics**Processing**

Injection Molding

Applications

Automotive, IT / Business Machine

Special Characteristics

Flame retardant, High impact or impact modified

Regional Availability

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