

**LUPOL GP1007FE**

PP

LG Chem

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	1.5	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.017	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Strength at Yield	25.5	MPa	ASTM D 638
Elongation at Break	200	%	ASTM D 638
Flexural Modulus	981	MPa	ASTM D 790
Flexural Strength	29.4	MPa	ASTM D 790
Izod Impact notched, 1/4 in	471	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.75	mm	-
DTUL @ 66 psi	110	°C	ASTM D 648
<b>Other properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Density	930	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Extrusion</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Pre-drying - Temperature	70 - 90	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	230 - 245	°C	-
Zone 1	190 - 210	°C	-
Zone 2	200 - 230	°C	-
Zone 3	220 - 240	°C	-
Zone 4	220 - 240	°C	-

**Characteristics****Processing**

Other Extrusion

**Applications**

Automotive, Electrical and Electronical, General Purpose

**Special Characteristics**

Flame retardant

**Regional Availability**

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