

**PCG-2305**

PC-GF30

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	118	MPa	ASTM D 638
Flexural Modulus	7358	MPa	ASTM D 790
Izod Impact notched, 1/8 in	118	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	3.0	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	141	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1430	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	h	-
Processing humidity	≤0.02	%	-
Melt temperature	300 - 320	°C	-
Mold temperature	80 - 110	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	280 - 300	°C	-
Zone 2	290 - 310	°C	-
Zone 3	300 - 320	°C	-
Nozzle temperature	290 - 310	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

Electrical and Electronical, General Purpose

**Additives**

Release agent

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Flame retardant, Halogen-free, High impact or impact modified