

**LONGLITE® PA 11G6-201**

 Chang Chun Plastics Co., Ltd. (CCP Group) - *Polyamide 6*
**General Information**
**Product Description**

Polyamide 6, 30% glass-fiber reinforced injection molding grade with flame retardancy.

**General**

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant • Mold Release
Features	• Flame Retardant
Forms	• Pellets
Processing Method	• Extrusion • Injection Molding • Profile Extrusion

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Across Flow	0.10 to 0.30	%	ISO 294-4
Water Absorption (Equilibrium, 73°F, 50% RH)	1.7	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.42E+6	psi	ISO 527-1
Tensile Stress (Break)	22500	psi	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	1.16E+6	psi	ISO 178
Flexural Stress	34800	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.7	ft·lb/in <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	428	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	410	°F	ISO 75-2/A
Melting Temperature <sup>2</sup>	432	°F	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength (0.0787 in)	530	V/mil	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-0		UL 94

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	518 to 554	°F
Mold Temperature	194 to 230	°F

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 10°C/min
