

**LONGLITE® PA 11G6-201B**

Chang Chun Plastics Co., Ltd. (CCP Group) - Polyamide 6

## General Information

**Product Description**

PA 11G6-201B is a flame retarded injection moulding grade.

**General**

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Chemical Resistant	• Good Compressive Strength	• Wear Resistant
	• Fatigue Resistant	• Good Moldability	
	• Flame Retardant	• High Heat Resistance	
Processing Method	• Injection Molding		

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	18900	psi	ISO 527-2
Tensile Strain (Break)	1.8	%	ISO 527-2
Flexural Modulus	1.30E+6	psi	ISO 178
Flexural Stress	27600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	3.9	ft·lb/in <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	419	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	392	°F	ISO 75-2/A
Melting Temperature (DSC)	437	°F	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Electric Strength (0.0787 in)	640	V/mil	IEC 60243-1
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in)	V-0		UL 94

## Processing Information

Injection	Nominal Value	Unit
Middle Temperature	464 to 500	°F
Nozzle Temperature	500 to 518	°F
Mold Temperature	104 to 248	°F
Injection Pressure	7110 to 17100	psi
Injection Rate	Moderate-Fast	
Holding Pressure	4270 to 11400	psi
Back Pressure	0.00 to 42.7	psi
Screw Speed	60 to 120	rpm

## Notes

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