

**LONGLITE® PA 20G6-104U**

Chang Chun Plastics Co., Ltd. (CCP Group) - Polyamide 66

**General Information**
**Product Description**

Polyamide 66, 30% glass-fiber reinforced and UV stabilized polyamide 66 for injection molding.

**General**

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• UV Stabilizer
Features	• Chemical Resistant • Good Surface Finish • UV Stabilized • Excellent Weather Resistance • High Dimensional Stability • Wear Resistant • Good Electrical Properties • High Heat Resistance
Processing Method	• Injection Molding

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density	1.36	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress	26100	psi	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	1.16E+6	psi	ISO 178
Flexural Stress	37700	psi	ISO 178
<b>Impact</b>			
Charpy Notched Impact Strength (73°F)	4.8	ft·lb/in <sup>2</sup>	ISO 179
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	500	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	482	°F	ISO 75-2/A
Melting Temperature (DSC)	505	°F	ISO 3146
<b>Electrical</b>			
Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
Electric Strength (0.0787 in)	580	V/mil	IEC 60243-1
<b>Flammability</b>			
Flame Rating	HB		UL 94

**Processing Information**

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	176	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	518 to 527	°F
Middle Temperature	536 to 545	°F
Front Temperature	545 to 554	°F
Mold Temperature	140 to 194	°F
Injection Pressure	5080 to 18100	psi
Injection Rate	Moderate-Fast	
Back Pressure	20.0 to 50.0	psi
Screw Speed	80 to 200	rpm

