

**LONGLITE® PA 20G4-201**

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

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

PA 20G4-201 is a glass fiber 20% reinforced injection moulding grade.

**General**

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
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 / Specific Gravity	1.26		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	18500	psi	ASTM D638
Flexural Modulus	782000	psi	ASTM D790
Flexural Strength	27000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.5	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	493	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	480	°F	ASTM D648
Melting Temperature	507	°F	DSC
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (0.0787 in)	640	V/mil	ASTM D149
Comparative Tracking Index (CTI)	600	V	ASTM D3638

**Processing Information**

Injection	Nominal Value	Unit
Middle Temperature	509 to 545	°F
Nozzle Temperature	554 to 572	°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

