

**LONGLITE® PA 20G3-104**

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

## General Information

**Product Description**

PA 20G3-104 is a 15% glass fiber reinforced injection moulding grade.

**General**

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Features	• Chemical Resistant • Fatigue Resistant • Good Compressive Strength • Good Electrical Properties • Good Moldability
Processing Method	• Injection Molding

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	17400	psi	ISO 527-2
Tensile Strain (Break)	3.3	%	ISO 527-2
Flexural Modulus	725000	psi	ISO 178
Flexural Stress	26100	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	2.6	ft·lb/in <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	482	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	459	°F	ISO 75-2/A
Melting Temperature	509	°F	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Electric Strength (0.0787 in)	640	V/mil	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

## Processing Information

Injection	Nominal Value	Unit
Middle Temperature	509 to 545	°F
Nozzle Temperature	545 to 563	°F
Mold Temperature	104 to 248	°F
Injection Pressure	7250 to 17400	psi
Injection Rate	Moderate-Fast	
Holding Pressure	4350 to 11600	psi
Back Pressure	0.00 to 43.5	psi
Screw Speed	60 to 120	rpm

