

LONGLITE® PA 20G3-201

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

General Information

Product Description

PA 20G3-201 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	• Good Compressive Strength	• High Heat Resistance
	• Fatigue Resistant	• Good Moldability	• Wear Resistant
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	18100	psi	ISO 527-2
Tensile Strain (Break)	3.1	%	ISO 527-2
Flexural Modulus	740000	psi	ISO 178
Flexural Stress	28300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	3.0	ft·lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	487	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	469	°F	ISO 75-2/A
Melting Temperature	507	°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

