

LONGLITE® PA 20G8-202

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

General Information

Product Description

PA 20G8-202 is a glass fiber 40% retarded injection moulding grade.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight		
Features	• Chemical Resistant	• Good Compressive Strength	• High Heat Resistance
	• Fatigue Resistant	• Good Moldability	• Wear Resistant
Processing Method	• Injection Molding		

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density	1.45	g/cm ³	ISO 1183
Mechanical			
Tensile Stress	26800	psi	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	1.45E+6	psi	ISO 178
Flexural Stress	42100	psi	ISO 178
Impact			
Notched Izod Impact Strength	9.0	ft·lb/in ²	ISO 180
Thermal			
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	509	°F	DSC
Electrical			
Electric Strength (0.0787 in)	640	V/mil	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112

Processing Information

	Nominal Value	Unit
Injection		
Middle Temperature	509 to 563	°F
Nozzle Temperature	545 to 563	°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

