LONGLITE® PA 20G7-202

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

General Information

Product Description			
Polyamide 66, 33% glass-fiber reinforced injection molding grade with excellent surface smoothness.			
General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 33% Filler by Weight		
Additive	• Mold Release		
Features	• Good Surface Finish		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	• Profile Extrusion
Part Marking Code (ISO 11469)	• >PA66-GF33<		

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.40	g/cm³	ISO 1183
Molding Shrinkage - Across Flow	0.10 to 0.30	%	ISO 294-4
Water Absorption (Equilibrium, 73°F, 50% RH)	1.7	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	725000	psi	ISO 527-1
Tensile Stress (Break)	23200	psi	ISO 527-2
Tensile Strain (Break)	4.5	%	ISO 527-2
Flexural Modulus	1.16E+6	psi	ISO 178
Flexural Stress	33400	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	4.8	ft·lb/in²	ISO 179/1eA
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)	478	°F	ISO 75-2/A
Melting Temperature [2]	437	°F	ISO 11357-3
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
Electric Strength (0.0787 in)	610	V/mil	IEC 60243-1
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.031 in)	HB		UL 94

Processing Information

Injection	**Nominal Value**	**Unit**
Drying Temperature	176	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	518 to 554	°F
Mold Temperature	140 to 194	°F