



# CHANG CHUN PLASTICS

## Product Description

PBT 3020-104S is a 20% glass fiber reinforced black color injection molding grade.

Physical	Value	Unit	Method
Density	1.42	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate(MFR) (250	12	g/10min	ISO 1133
Molding Shrinkage			
Transverse	0.9-1.2	%	ISO 294-4
Parallel	0.3-0.6	%	ISO 294-4
Mechanical			
Tensile Stress (Break, 23 °C)	95	MPa	ISO 527-2
Tensile Strain (Break, 23 °C)	3.3	%	ISO 527-2
Tensile Modulus (23 °C)	6500	MPa	ISO 527-2
Flexural Stress (23 °C)	145	MPa	ISO 178
Flexural Modulus (23 °C)	5000	MPa	ISO 178
Charpy Notched Impact Strength (23 °C)	11	KJ/m <sup>2</sup>	ISO 179/1eA
Thermal			
Deflection Temperature Under Load			
0.45MPa, Unannealed	215	°C	ISO 75-2/B
1.80MPa, Unannealed	200	°C	ISO 75-2/A
Melting Temperature	225	°C	ISO 11357-3
Flammability			
Flame Rating	HB		UL 94
Electrical			
Dielectric strength, 2mm thickness	22	KV/mm	IEC 60243
Volume resistivity	10 <sup>15</sup>	Ω-cm	IEC 60093
Surface resistivity	10 <sup>13</sup>	Ω	IEC 60093
Injection			
Drying Temperature	120-140	°C	-
Drying Time	4	Hr	-
Process Temperature	240-270	°C	-
Mold temperature	60-100	°C	-