

**PBT CA-5060-G20**
**Product Description**

20% glass fiber, high heat resistance injection molding grade modified PBT

**Features and application fields**

High strength, high heat resistance and good processability. It is suitable for general-purpose connectors, snap parts and other electronic and electrical fields that require electrical performance, thermal performance and certain strength.

**Typical performance**

Test item	Test condition	Test standard	Unit	Reference No.
<b>Basic properties</b>				
Proportion	23°C	ISO 1183	g/cm <sup>3</sup>	1.43
Ash content	750°C, 1h	ISO 3451-1	%	20.2
The melt flow rate	260°C, 2.16kg	ISO 1133	g/10min	31.3
<b>Mechanical properties</b>				
Tensile Strength	5mm/min	ISO 527-2	MPa	110
Elongation	5mm/min	ISO 527-2	%	2.5
Bending strength	2mm/min	ISO 178	MPa	150
Flexural modulus	2mm/min	ISO 178	MPa	5500
Cantilever beam notched punch	2.75J	ISO 180	KJ/m <sup>2</sup>	10.8
<b>Thermal properties</b>				
Heat distortion temperature HDT	0.45 MPa	ISO 75	°C	200
Heat distortion temperature HDT	1.80 MPa	ISO 75	°C	190
Melting point	10K/min	ISO 11357-1/3	°C	223
<b>Flame retardant properties</b>				
Flame retardancy	1.6mm	UL94	Class	HB
<b>Electrical properties</b>				
Relative tracking index	23°C	ICE 60112	V	300
<b>Recommended processing conditions</b>				
Drying temperature			°C	100-120
Drying time			h	4-6
Injection temperature			°C	220-250
Mold temperature			°C	60-100

Note: This typical physical property is not a sales specification