

## PBT CA-5246-G30

### Product Description

30% glass fiber, environmentally friendly brominated flame retardant injection-modified PBT

### Features and application fields

High strength, high heat resistance and good processability. It is suitable for general-purpose connectors, relays, switch parts, wiring terminals and other electronic and electrical fields that have certain requirements for electrical performance, thermal performance and flame retardancy.

### Typical performance

Test item	Test condition	Test standard	Unit	Reference
<b>Basic properties</b>				
Proportion	23°C	ISO 1183	g/cm <sup>3</sup>	1.61
Ash content	750°C, 1h	ISO 3451-1	%	30.0
The melt flow rate	260°C, 2.16kg	ISO 1133	g/10min	23
<b>Mechanical behavior</b>				
Tensile Strength	5mm/min	ISO 527-2	MPa	120
Elongation at break	5mm/min	ISO 527-2	%	2.5
Bending strength	2mm/min	ISO 178	MPa	170
Flexural modulus	2mm/min	ISO 178	MPa	8000
Cantilever beam notched punch	2.75J	ISO 180	KJ/m <sup>2</sup>	6.8
<b>Thermal performance</b>				
Heat distortion temperature HDT	0.45 MPa	ISO 75	°C	210
Heat distortion temperature HDT	1.80 MPa	ISO 75	°C	200
Melting point	10K/min	ISO 11357-1/3	°C	223
<b>Flame retardant properties</b>				
Flame retardancy	1.6mm	UL94	Class	V0
Glow wire GWFI	1.6mm	GB/5169	°C	960
<b>Electrical properties</b>				
Relative tracking index	23°C	ICE 60112	V	250
<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