

Material Datasheet 13

| Trade Name : PET GP5050 CBK 20% Fiber - Black | | | | |
|---|-------------|---|------------------------|----------------------------|
| Material : Polyethylene Terephthalate (PET) | | | | _ RoHS compliant |
| Color : Black | | | | |
| Properties | Test Method | Test Condition | Unit | Typical Value |
| Physical | | | | |
| Specific Gravity Fiber Content/Ash | ASTM D792 | | g/cm ³ % | 1.498 20 |
| Rheological | | | | |
| Melt Flow Index | ASTM D1238 | | g/10min | |
| Mechanical | | | | |
| Tensile Strength | ASTM D638 | 88.9 89.3 89.1 | MPa | 89.1 |
| Elongation at Break | ASTM D638 | 1.1 1.5 1.2 | % | 1.3 |
| Flexural Strength | ASTM D790 | | MPa | 133.6 |
| Flexural Modulus | ASTM D790 | | MPa | 6442.6 |
| Izod Impact Strength | ASTM D256 | <u>10.16mm*3.2mm 23°C</u> 45.9 44.7 54.7 55.3 50.9 | J/m | 50.3 |
| Thermal | | | | |
| Heat Distortion Temp. | ASTM D648 | 1.8mpa/deform 0.341 | °C | 125.6 |
| Flammability | | | | |
| Flammability | UL 94 | 127*12.8*3.0mm | | HB |
| | | | | |
| The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere For further information, please contact or fax to AMK Technical Services Department. | | | | |



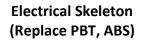
Raw Materials



Finished Products

Gardening Tools (Replace POM)







FOXCONN, FLEXTRONICS Printer Accessories (Replace PBT)

