



Material Datasheet 13

Trade Name : PET GP5050 CBK 20% Fiber - Black	
Material : Polyethylene Terephthalate (PET)	
Color : Black	

Properties	Test Method	Test Condition	Unit	Typical Value
Physical				
Specific Gravity	ASTM D792		g/cm ³	1.498
Fiber Content/Ash			%	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)**



**Electrical Skeleton
(Replace PBT, ABS)**



**FOXCONN, FLEXTRONICS
Printer Accessories
(Replace PBT)**

