



Material Datasheet 14

Trade Name : PBT+PET GP5030 BK 30% Fiber - Black	
Material : Polybutylene Terephthalate (PBT) Alloy Polyethylene Terephthalate (PET)	
Color : Black	

Properties	Test Method	Test Condition	Unit	Typical Value
Physical				
Specific Gravity	ASTM D792		g/cm ³	1.551
Fiber Content/Ash			%	27
Rheological				
Melt Flow Index	ASTM D1238	250°C - 2.16kg	g/10min	30.6
Mechanical				
Tensile Strength	ASTM D638	80.9 79.2 79.1	MPa	79.7
Elongation at Break	ASTM D638	1.2 1.3 1.2	%	1.2
Flexural Strength	ASTM D790		MPa	127.1
Flexural Modulus	ASTM D790		MPa	6446.4
Izod Impact Strength	ASTM D256	<u>10.16mm*3.2mm 23°C</u> 89.7 87.8 76.3 76.3 78.1	J/m	81.6
Thermal				
Heat Distortion Temp.	ASTM D648	1.8mpa/deform 0.341	°C	127.2
Flammability				
Flammability	UL 94	127*12.8*2.0mm 127*12.8*3.0mm		V2 V1

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, FLETRONICS
Printer Accessories
(Replace PBT)**





Finished Products

Cooling Fan



Connector



Keyboard



Fuse Box



Automotive Accessories

