

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.				



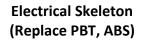
Raw Materials



Finished Products

Gardening Tools (Replace POM)







FOXCONN, FLEXTRONICS Printer Accessories (Replace PBT)

