TECHNICAL DATA SHEET

Grade : **PBT 30GF FR VO BLCK**

Colour : Black

Description : PBT 30% Glass filled with excellent mechanical Properties, Flame Retardant, High Thermal Stability, High glow wire Natural and customized colours.

Properties	Test Condition	Test Method	Unit	Typical Value	Tolerance
Physical					
Specific Gravity		ASTM D792	-	1.62	+/-0.02
Melt Flow Rate	250° C/2.16Kg	ASTM D1238	g/10min	20	+/-4
Ash Content	750°C	ASTM D5630	%	30	+/-2
Mold shrinkage	23°C			%	0.6
Mechanical					
Tensile Strength@yield	50mm/min	ASTM D638	Mpa	110	+/-5
Tensile Elongation@Break	50mm/min	ASTM D638	%	4	+/-2
Flexural Modulus	2mm/min	ASTM D790	Mpa	8500	+/-100
Flexural Strength	2mm/min	ASTM D790	Mpa	170	+/-10
Izod Impact 3.2 mm Notched	23°C	ASTM D256	Kg cm/cm	6	+/-1
Izod Impact 6.4mm Notched	23°C	ASTM D256	Kg cm/cm	8	+/-1
Thermal					
Heat Deflection Temperature (annealed)	1.80 Mpa	ASTM D648	°C	195	+/-2
Glow wire		ASTM D6194-18	°C	850	PASS
Flammability	0.8mm Thickness	UL94		VO	PASS

Typical values are only for material selection purpose, and variation within normal tolerances are for various colors and grades.
Values given should not be interpreted as specification and not be used for part or tool design.
All properties, except melt flow rate are measured on injection moulded specimens and after 48 hours storage at 23°C, 50% relative humidity