TECHNICAL DATA SHEET

PP

Grade : **PM 40 CG 001**
Colour : Grey
Description : PP Talc filled with excellent mechanical Properties, Natural and customized colours.

Properties	Test Condition	Test Method	Unit	Typical Value	Tolerance
Physical					
Specific Gravity		ASTM D792	gm/cc	1.04	+/-0.02
Melt Flow Rate	230° C/2.16Kg	ASTM D1238	g/10min	12.5	+/-1
Mould shrinkage	23°C		mm/mm	0.031	+/-0.02
Ash Content	750°C	ASTM D5630	%	21.20	+/-1
Mechanical					
Tensile Strength@yield	50mm/min	ASTM D638	Mpa	15	+/-2
Tensile Elongation@Break	50mm/min	ASTM D638	%	6	+/-2
Flexural Modulus	2mm/min	ASTM D790	Mpa	1500	+/-100
Flexural Strength	2mm/min	ASTM D790	Mpa	28	+/-2
Izod Impact 3.2 mm Notched	23°C	ASTM D256	Kg cm/cm	7	+/-1
Izod Impact 6.4mm Notched	23°C	ASTM D256	Kg cm/cm	12	+/-1
Thermal					
Heat Deflection Temperature (unannealed)	1.80 Mpa	ASTM D648	°C	84	+/-2

Typical values are only for material selection purpose, and variation within normal tolerances are for various colours 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