TECHNICAL DATA SHEET

PP

Grade : **PM 40 IA FR V0**
Colour : White
Description : PP Unfilled with excellent mechanical & Fr Properties, Natural and customized colours.

Properties	Test Condition	Test Method	Unit	Typical Value	Tolerance
Physical					
Specific Gravity		ASTM D792	-	0.92	+/-0.02
Melt Flow Rate	230° C/2.16Kg	ASTM D1238	g/10min	10	+/-2
Mechanical					
Tensile Strength@yield	50mm/min	ASTM D638	Mpa	28	+/-5
Tensile Elongation@Break	50mm/min	ASTM D638	%	20	+/-2
Flexural Modulus	2mm/min	ASTM D790	Mpa	1400	+/-250
Flexural Strength	2mm/min	ASTM D790	Mpa	70	+/-10
Izod Impact 3.2 mm Notched	23°C	ASTM D256	Kg cm/cm	10	+/-2
Thermal					
HDT (annealed)	1.80 Mpa	ASTM D648	°C	80	+/-2
Flammability		UL94		VO(1.5&2.0MM)	PASS

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