



## Polypropylene Compound

### 1 Grade:-JJ BLEND 1040 PHCN

**Product description:** - JJBlend 1040 PHCN is 40% calcium carbonate filled Polypropylene homopolymer compound. This grade is available in Natural, Black and other custom coloured forms.

**Application Area:** - This grade is applicable for Injection molding (automotive & industrial sector.)

Properties		Test Method	unit	Specs. Value
Physical	Specific Gravity	ASTM D 792	-	1.18-1.22
	MFI	ASTM D 1238	gm/10min	6.0-10.0
	Moisture		%	<0.20
Mechanical	Tensile Strength	ASTM D 638	kg/cm <sup>2</sup>	175-225
	Elongation at break	ASTM D 638	%	>15
	Flexural strength	ASTM D 790	kg/cm <sup>2</sup>	350-400
	Izod Impact (notched)	ASTM D 256	kg.cm/cm	>3.0
Thermal	HDT@4.60kg/cm <sup>2</sup>	ASTM D 648	0C	120-130

All the above measurements are made on Injection Moulded sample conditioned at room temperature. The data contained above represent typical values of individual properties.

#### General processing for Injection molding:-

Injection Pressure	69-120MPA
Processing Temp.	190-230°C
Mould Temp.	32-66°C
Pry drying	2 hrs@ 75°C-100°C

It is highly recommended that this JJBlend should be pre dried in hopper dryer or dehumidifier at 80 degrees C to withdraw possible moisture absorbed by hygroscopic material.

Packing: Standard packing of 25 KG Woven Bags