

# FORMPOLY CPP40 (40% Calcite Reinforced PP)

## GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY CPP40**, which is heat stabilized, lubricated Calcite reinforced PP with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY CPP40

Smooth surface finish.  
Easy flow and fast solidification.  
Moderate Mechanical and thermal properties.  
Warpage free molding  
Easy processability  
Good surface finish and Gloss  
Excellent dimensional stability.

## PRE-DRYING

FPL grades can normally be taken for direct processing. However, in case the material is exposed to atmosphere, it is advisable to pre-dry the material at 80°C for 2 to 3 hours for good surface finish.

## PACKING

**FORMPOLY CPP40** is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

## APPLICATION

Speedometer housings  
Control housings  
Vacuum cleaner parts  
Dummy basket ball boards  
Furniture parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	30
Elongation at Break	D638	%	10
Flexural Stress	D790	MPa.	45
Flexural Modulus	D790	MPa.	3500
Izod Impact Strength Notched	D256	Kg Cm/ Cm	4
Heat Deflection Temp			
- at 4.6 Kg / Cm <sup>2</sup> load	D646	°C	135
- at 18.5 Kg / Cm <sup>2</sup> load			90
Specific Gravity	D792	-	1.12
Shrinkage	D955	%	0.3-0.4
Melt Flow Index	D1238	Grams/10min	10

Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen  
Pigmented colors would record lower mechanical properties as permitted by ASTM D 4066.

The information present here is for general guidance. It is given in good faith but no warrant is attached

## FORMULATED POLYMERS LIMITED

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