

# FORMPOLY® GPP10 (10% GLASS REINFORCED PP)

## GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® GPP10**, which is heat stabilized, lubricated, glass reinforced PP with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY® GPP10

Medium Flow  
Chemically coupled GF reinforced.  
High Mechanical properties.  
Excellent Heat Resistance  
Easy processability  
Good Heat Aging  
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® GPP10** is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

## APPLICATION

Radiator Shroud  
Washing Machine Insulating Parts  
Automotive Interior Trim  
Roof Vents  
Automotive Parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	50
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa	65
Flexural Modulus	D790	MPa	1800
Izod Impact Strength Notched	D256	kg.cm/cm	5
Heat Deflection Temp - at 4.6 Kg/cm <sup>2</sup> load - at 18.5 Kg/cm <sup>2</sup> load	D648	°C	120 70
Specific Gravity	D792	-	1.00
Shrinkage	D955	%	0.5-0.9
Melt Flow Index	D1238	g/10min	7

Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen Coloured grades would record slightly 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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