

# FORMPOLY® GPP40 (40% Glass Reinforced PP)

## GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® GPP40**, which is heat stabilized, lubricated glass reinforced PP with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY® GPP40

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® GPP40** 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	100
Elongation at Break	D638	%	2
Flexural Stress	D790	MPa	120
Flexural Modulus	D790	MPa	6000
Izod Impact Strength Notched	D256	kg cm/cm	6
Heat Deflection Temp - at 4.6 kg/cm <sup>2</sup> load - at 18.5 kg/cm <sup>2</sup> load	D648	°C	150 90
Specific Gravity	D792	-	1.20
Shrinkage	D955	%	0.2-0.4

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

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