

# FORMPOLY® GPP20 (20% GLASS REINFORCED PP)

## GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® GPP20**, which is heat stabilized, lubricated glass reinforced PP with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY® GPP20

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 100°C for 2 to 3 hours for good surface finish.

## PACKING

**FORMPOLY® GPP20** 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.	55
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa.	80
Flexural Modulus	D790	MPa.	3000
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	130 80
Specific Gravity	D792	-	1.06
Shrinkage	D955	%	0.3-0.7
Melt Flow Index	D1238	g/10min	5

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-4101

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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