

# FORMPOLY GPP20THS (20%GLASS REINFORCED PP)

## GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY GPP20THS**, which is heat stabilized, lubricated glass reinforced PP with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY GPP20THS

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 GPP20THS** 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.	60
Elongation at Break	D638	%	5
Flexural Stress	D790	MPa.	80
Flexural Modulus	D790	MPa.	3000
Izod Impact Strength	D256	Kg Cm/ Cm	10
Notched			
Heat Deflection Temp			
- at 4.6 Kg / Cm <sup>2</sup> load	D648	'C	130
- at 18.5 Kg / Cm <sup>2</sup> load			80
Specific Gravity	D792	-	1.06
Shrinkage	D955	%	0.3-0.7
Melt Flow Index	D1238	Grams/10min	5

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

**Manufacturers of Engineering Plastics Compounds**

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