

# FORMPOLY® PPOGF10

## (10% Glass Fibre Reinforced PPO)

### GENERAL

FPL offers a range of Engineering Plastic grades from unfilled, glass fibre reinforced to flame retardant for most demanding conditions and extreme requirements including **FORMPOLY® PPOGF10**, which is Glass Fibre Reinforced PPO with high stiffness.

### FORMPOLY® PPOGF10

High heat resistance

Low warpage

Good surface finish

Easy flow and fast solidification

Easy processability

### 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 1 to 2 hours for good surface finish.

### PACKING

**FORMPOLY® PPOGF10** is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

Pump impellers

Pump housings

Water meters components

Water filters

Flow regulators

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	70
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa.	110
Flexural Modulus	D790	MPa.	3700
Izod Impact Strength Notched	D256	Kg cm/cm	9
Heat Deflection Temp - at 18.5 Kg/cm <sup>2</sup> load	D648	°C	130
Specific Gravity	D792	-	1.16
Shrinkage	D955	%	0.3-0.5
Water absorption at Equilibrium	D570	%	0.14
Vicat VST/B/120	D1525	°C	140

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

Manufacturers of Engineering Plastics Compounds

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