

# FORMPOLY PPOGF30FR (30%GF Reinforced PPO-FR Grade)

## GENERAL

FPL offers a range of Engineering Plastic grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant for most demanding conditions and extreme requirements including PPOGF30FR, which is Glass Fibre Reinforced PPO with flame retardant.

### *FORMPOLY PPOGF30FR*

Meeting UL-94V0 requirements  
Free from Halogens and Bromine  
Warpage free  
Excellent electrical properties  
Low moisture absorption  
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 1 to 2 hours for good surface finish.

## PACKING

*FORMPOLY PPOGF30FR* is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

## APPLICATION

Internal switch housings  
Telecommunication connectors  
Deflection yokes  
Bobbins  
TV parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	100
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa.	150
Flexural Modulus	D790	MPa.	9000
Izod Impact Strength Notched	D256	Kg Cm/ Cm	7
Heat Deflection Temp - at 18.5 Kg/cm <sup>2</sup> load	D648	°C	145
Specific Gravity	D792	-	1.30
Shrinkage	D955	%	0.1-0.3
Water absorption at Equilibrium	D570	%	0.18
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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