

FORMPOLY PPOGF20FR

(20%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 FORMPOLY PPOGF20FR, which is Glass Fibre Reinforced PPO with high stiffness.

FORMPOLY PPOGF20FR

Meeting UL 94 V0 Requirements
Free From Halogen & Bromine
Warpage Free
Easy flow and fast solidification
Easy processability
Low Moisture Absorbption

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 PPOGF20FR is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Internal Switch Housing
Telecommunication Connectors
Deflection Yokes
Ampere meter parts
Flow regulators

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	90
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa.	135
Flexural Modulus	D790	MPa.	6500
Izod Impact Strength Notched	D256	Kg cm/cm	8
Heat Deflection Temp - at 18.5 Kg/cm ² load	D648	°C	130
Specific Gravity	D792	-	1.23
Shrinkage	D955	%	0.2-0.4
Water absorption at Equilibrium	D570	%	0.22
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

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A ISO/TS 16949. ISO 9001 & ISO 14001 & ISO 18000 certified