

FORMPOLY PPOGF40 (40%GF Reinforced PPO)

GENERAL

FPL offers a range of Engineering Plastic grades from unfilled, glass fibre reinforced, mineral reinforced, impact modified to flame retardant for most demanding conditions and extreme requirements including **FORMPOLY PPOGF40** which is Glass fibre reinforced PPO with high stiffness.

FORMPOLY PPOGF40

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 PPOGF40 is supplied in 25 Kg Dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Electrical meter parts
Automotive ignition
Motor housing
Ampere meter parts
Flow regulators

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	110
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa.	180
Flexural Modulus	D790	MPa.	9500
Izod Impact Strength Notched	D256	Kg Cm/ Cm	10
Heat Deflection Temp - at 18.5 Kg / Cm ² load	D646	°C	155
Specific Gravity	D792	-	1.34
Shrinkage	D955	%	0.05-0.15
Water absorption at Equilibrium	D 570	%	0.11
Vicat VST/B/120	D 1525	C	160

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

Ph: +91-44-26811236,7:: Fax:2681 1275 E Mail: formpoly@vsnl.com URL: www.formulatedpolymers.com
HO & Works: 59, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600124 India



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