

# **FORMPOLY PPOGT20G**

## **(20%GF Reinforced PPO/PA alloy)**

**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 PPOGT20G** which is Glass fibre reinforced PPO/PA alloy with high stiffness.

**FORMPOLY PPOGT20G**

- Increased stiffness
- 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 PPOGT20G** is supplied in 25 Kg Dry, ready to mould, in sealed bags to prevent the uptake of moisture.

**APPLICATION**

- High pressure pump parts
- Automotive Underwood stiffness parts
- Pump impellers for abrasive fluids
- Housings

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	120
Elongation at Break	D638	%	10
Flexural Stress	D790	MPa.	170
Flexural Modulus	D790	MPa.	4000
Izod Impact Strength Notched	D256	Kg Cm/ Cm	8
Heat Deflection Temp - at 18.5 Kg / Cm <sup>2</sup> load	D646	°C	200
Specific Gravity	D792	-	1.23
Shrinkage	D955	%	0.4-0.6
Water absorption at Equilibrium	D 570	%	3.5
Vicat VST/B/120	D 1525	C	225

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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