

# FORMPOLY PPOFR90V1 (Unfilled PPO-FR Grade)

## 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 PPOFR90V1** which is general purpose PPO with flame retardant.

### **FORMPOLY PPOFR90V1**

- Meeting UL-94 V1 requirements
- Free from Halogen and Bromine
- Moderate strength
- High Gloss
- Easy flow and fast solidification
- 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 hour for good surface finish.

## PACKING

**FORMPOLY PPOFR90V1** 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.	45
Elongation at Break	D638	%	30
Flexural Stress	D790	MPa.	75
Flexural Modulus	D790	MPa.	2800
Izod Impact Strength Notched	D256	Kg Cm/ Cm	14
Heat Deflection Temp - at 18.5 Kg / Cm <sup>2</sup> load	D646	°C	90
Specific Gravity	D792	-	1.10
Shrinkage	D955	%	0.5 -0.7
Vicat VST/B/120	D 1525	C	95
Water absorption at equilibrium	D 570	%	0.4

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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