

# FORMPOLY® N6GF30FR

## (30% GF Reinforced NYLON6- Meets UL-94 V0)

### GENERAL

FPL offers a wide range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GF30FR** which is unfilled flame retardant grade meeting UL-94 V0 requirements.

### FORMPOLY® N6GF30FR

Flame Retardant grade  
Meeting UL-94 V0 rating in 1.6mm thickness  
Easy processability  
Good Surface finish and Gloss  
Good mechanical and Electrical properties  
High ESCR

### 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 100°C for 2 to 3 hours for good surface finish.

### PACKING

**FORMPOLY® N6GF30FR** is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

Instrument housing  
Switch parts  
Bush holder  
Connectors  
PCB frame

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	160
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa	240
Flexural Modulus	D790	MPa	9000
Izod Impact Strength Notched	D256	kg.cm/cm	9
Heat Deflection Temp - at 4.6 kg/cm <sup>2</sup> load	D648	°C	200
- at 18.5 kg/cm <sup>2</sup> load	D648	°C	190
Specific Gravity	D792	-	1.6
Shrinkage	D955	%	0.1-0.25
Flammability rating UL 94	UL94	-	V0

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

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