

## FORMPOLY N6GF15FR (15% Glass Fibre Reinforced Nylon6- Meets UL-94V0)

### GENERAL

FPL offers a range of Nylon 6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **N6GF15FR**, which is Glass reinforced flame retardant grade meeting UL-94 V0 requirements.

### FORMPOLY N6GF15FR

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 N6GF15FR** is supplied in 25 Kg. 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.	85
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa.	140
Flexural Modulus	D790	MPa.	4200
Izod Impact Strength Notched	D256	Kg Cm/ Cm	6
Heat Deflection Temp			
- at 4.6 Kg / Cm <sup>2</sup> load	D646	'C	165
- at 18.5 Kg / Cm <sup>2</sup> load			100
Specific Gravity	D792	-	1.4
Shrinkage	D955	%	0.4-0.6
Flammability(1.6mm)	UL-94	-	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

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