

# FORMPOLY N66GF25BFR (25%Glass Fibre Reinforced Nylon66)

## GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY N66GF25BFR**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

### **FORMPOLY N66GF25BFR**

Meeting UL-94 V0 flammability rating  
Warpage to free molding  
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 N66GF25BFR** is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

## APPLICATION

Electrical switches  
MCB Housing  
Relay Base  
PCB Frames  
Connectors

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	135
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa.	190
Flexural Modulus	D790	MPa.	7000
Izod Impact Strength Notched	D256	Kg Cm/ Cm	8
Heat Deflection Temp			
- at 4.6 Kg / Cm2 load	D646	°C	200
- at 18.5 Kg / Cm2 load			180
Specific Gravity	D792	-	1.51
Shrinkage	D955	%	0.2-0.35
Volume Resistivity	D-257	Ohms-cm	10 <sup>15</sup>
Surface Resistivity	D-257	Ohms	10 <sup>14</sup>
Flammability	UL-94	V0	V0

Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen  
Pigmented color 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**

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