

# FORMPOLY N66GF35FRV0

## (35%Glass Fibre Reinforced Nylon66 Meets UL94-V0)

### GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY N66GF35FRV0**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

### **FORMPOLY N66GF35FRV0**

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 N66GF35FRV0** 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.	170
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa.	240
Flexural Modulus	D790	MPa.	8000
Izod Impact Strength Notched	D256	Kg Cm/ Cm	13
Heat Deflection Temp			
- at 4.6 Kg / Cm2 load	D646	°C	220
- at 18.5 Kg / Cm2 load			220
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

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