

FORMPOLY N66GF30FRFH (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 N66GF30FRFH**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY N66GF30FRFH

- 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 N66GF30FRFH 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.	140
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa.	200
Flexural Modulus	D790	MPa.	9000
Izod Impact Strength Notched	D256	Kg Cm/ Cm	5
Heat Deflection Temp			
- at 4.6 Kg / Cm ² load	D646	°C	200
- at 18.5 Kg / Cm ² load			180
Specific Gravity	D792	-	1.51
Shrinkage	D955	%	0.6-0.95
Volume Resistivity	D-257	Ohms-cm	10 ¹⁵
Surface Resistivity	D-257	Ohms	10 ¹⁴
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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