

FORMPOLY N66GF35FRFH (35%Glass Fibre Reinforced Nylon66)

GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY N66GF35FRFH**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY N66GF35FRFH

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 N66GF35FRFH 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 / Cm ² load	D646	°C	220
- at 18.5 Kg / Cm ² load			220
Specific Gravity	D792	-	1.43
Shrinkage	D955	%	0.2-0.35
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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