

FORMPOLY® N6GF31FRFH

(30% GF Reinforced NYLON6- Meets UL-94 V0)

GENERAL

FPL offers a wide range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GF31FRFH** which is glass filled Nylon 6 flame retardant grade meeting UL-94 V0 requirements.

FORMPOLY® N6GF31FRFH

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® N6GF31FRFH is supplied in 25 Kgs. 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	150
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa	240
Flexural Modulus	D790	MPa	9000
Izod Impact Strength Notched	D256	kg cm/cm	9
Heat Deflection Temp - at 4.6 kg/cm ² load	D648	°C	200
Specific Gravity	D792	-	1.34
Shrinkage	D955	%	0.1-0.25
Flammability rating UL 94	UL94	-	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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