

FORMPOLY® N6GP28FRFH (Unfilled Nylon 6-Meets UL94 V0)

GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GP28FRFH**, which is unfilled flame retardant grade meeting UL94 V0 requirements.

FORMPOLY® N6GP28FRFH

Halogen free FR
Meeting UL94 V0 rating in 0.8mm
Easy processability
Good Surface finish and gloss
Good mechanical and electrical properties

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® N6GP28FRFH is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Electrical Switches
Corrugated Pipes
Relay Base
Connectors
PCB frame

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	75
Elongation at Break	D638	%	10
Flexural Stress	D790	MPa	110
Flexural Modulus	D790	MPa	3000
Izod Impact Strength Notched	D256	kg.cm/cm	8
Heat Deflection Temp - at 18.5 Kg/cm ² load	D648	°C	75
Specific Gravity	D792	-	1.18
Shrinkage	D955	%	0.6-1.2
Flammability@0.8 mm	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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ISO 9001:2015, IATF 16949: 2009 & ISO 14001: 2015 Certified Firm

