

FORMPOLY® N6GP28FRP (Unfilled Nylon 6- Meets UL-94V0)

GENERAL

FPL offers a range of Nylon 6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GP28FRP**, which is unfilled flame retardant grade meeting UL-94 V0 requirements.

FORMPOLY® N6GP28FRP

Meeting UL-94 V0 rating in 0.8mm thickness
Halogen free Flame retardant
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 80°C for 2 to 3 hours for good surface finish.

PACKING

FORMPOLY® N6GP28FRP is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Electrical Switches
MCB housing
Cable sheathing
Corrugated Pipes
Connectors
PCB frame

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	78
Elongation at Break	D638	%	8
Flexural Stress	D790	MPa	110
Flexural Modulus	D790	MPa	3400
Izod Impact Strength Notched	D256	kg cm/cm	6
Heat Deflection Temp			
- at 4.6 kg/cm ² load	D648	°C	205
- at 18.5 kg/cm ² load	D648	°C	80
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



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