

# FORMPOLY® N6GP28FR

## (Unfilled NYLON6- Meets UL-94V0)

### GENERAL

FPL offers a range of Nylon 6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GP28FR**, which is unfilled flame retardant grade meeting UL-94 V0 requirements.

### FORMPOLY® N6GP28FR

UV Stabilized.

Meeting UL-94 V0 rating in 1.6mm thickness

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® N6GP28FR** 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

Connectors

PCB frame

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	80
Elongation at Break	D638	%	6
Flexural Stress	D790	MPa	130
Flexural Modulus	D790	MPa	3000
Izod Impact Strength Notched	D256	kg.cm/cm	4
Heat Deflection Temp			
- at 4.6 kg/cm <sup>2</sup> load	D648	°C	135
- at 18.5 kg/cm <sup>2</sup> load	D648	°C	65
Specific Gravity	D792	-	1.28
Shrinkage	D955	%	0.6-1.2
Flammability(1.6mm)	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

## FORMULATED POLYMERS LIMITED

Manufacturers of Engineering Plastics Compounds

Ph: +91-44-26811236,7:: Fax:26811275 E Mail: info@formulatedpolymers.com

URL: [www.formulatedpolymers.com](http://www.formulatedpolymers.com)

HO & Works: 59, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600 124 India.

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