

# FORMPOLY® SN6GP28FR (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® SN6GP28FR**, which is unfilled flame retardant grade meeting UL-94 V0 requirements.

### FORMPOLY® SN6GP28FR

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® SN6GP28FR** 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	70
Elongation at Break	D638	%	15
Flexural Stress	D790	MPa	110
Flexural Modulus	D790	MPa	2800
Izod Impact Strength Notched	D256	kg cm/cm	4.5
Heat Deflection Temp			
- at 4.6 kg/cm <sup>2</sup> load	D648	°C	125
- at 18.5 kg/cm <sup>2</sup> load	D648	°C	80
Specific Gravity	D792	-	1.16
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

## FORMULATED POLYMERS LIMITED

Manufacturers of Engineering Plastics Compounds

Ph: +91-44-26811236,7:: Fax:2681 1275 E Mail: info@formulatedpolymers.com

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

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

ISO 9001:2015, IATF 16949: 2009 & ISO 14001: 2015 Certified Firm

