

FORMPOLY® N66GP30FR

(Unfilled Nylon66- Meets UL-94 V0)

GENERAL

FPL offers a wide range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66GP30FR** which is unfilled flame retardant grade meeting UL-94 V0 requirements.

FORMPOLY® N66GP30FR

Meeting UL-94 V0 rating in 0.8mm thickness

Anti-dripping easy processability

Good mechanical and Electrical properties

Free from Warpage

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® N66GP30FR is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Switch Internal parts

MCB housing

Relay base

Connectors

PCB frame

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	70
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa	110
Flexural Modulus	D790	MPa	2700
Izod Impact Strength Notched	D256	kg.cm/cm	4
Heat Deflection Temp			
- at 4.6 kg/cm ² load	D648	°C	200
- at 18.5 kg/cm ² load	D648	°C	80
Specific Gravity	D792	-	1.28
Shrinkage	D955	%	0.6-1.2
Flammability rating UL 94	UL-94	-	V0
Volume Resistivity	D257	Ohms-cm	10E15
Surface Resistivity	D257	Ohms	10E14

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

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

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