

FORMPOLY® N66GF30V2

(30% Glass Fibre Reinforced Nylon66- Meets UL94 V2)

GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66GF30V2**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N66GF30V2

Meeting UL-94 V2 flammability rating

Warpage to free moulding

Easy processability

Good surface finish and Gloss

Good mechanical and electrical properties

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® N66GF30V2 is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Electrical switches

MCB Housing

Relay Base

PCB Frames

Connectors

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	170
Elongation at Break	D638	%	2.3
Tensile Modulus	D790	MPa	9800
Izod Impact Strength Notched	D256	kg cm/cm	8
Heat Deflection Temp - at 18.5 kg/cm ² load	D648	°C	230
Specific Gravity	D792	-	1.38
Volume Resistivity	D257	Ohms-cm	10 ¹⁵
Surface Resistivity	D257	Ohms	10 ¹⁴
Flammability	UL94	-	V2

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

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

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