

FORMPOLY SN6GF15V2

(15% Glass Fibre Reinforced Nylon6- Meets UL-94V2)

GENERAL

FPL offers a range of Nylon 6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including SN6GF15V2 , which is Glass reinforced flame retardant grade meeting UL-94 V2 requirements.

FORMPOLY SN6GF15V2

- FR Chemistry – Halogen free
- Meeting UL-94 V2 rating
- UV Stabilized
- Meeting RoHS compliances fully
- Good surface finish and Gloss
- High ESCR
- Available in many colours

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 90°C for 2 to 3 hours for good surface finish.

PACKING

FORMPOLY SN6GF15V2 is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

- Instrument Housing
- Switch parts
- Bush holder
- Connectors
- PCB frame

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	75
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa.	125
Flexural Modulus	D790	MPa.	5000
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			190
Specific Gravity	D792	-	1.30
Shrinkage ,flow	D955	%	0.4- 0.6
Flammability (1.6mm)	UL-94	-	V2
GWFI @ 1.6 mm	IEC 60695	C	960

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

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A ISO/TS 16949. ISO 9001 & ISO 14001 & ISO 18000 certified

PROCESS PARAMETERS SUGGESTED

PROCESSING PARAMETERS	FORMPOLY SN6GF15V2
Drying Temperature	80°C
Drying time	4hrs
Feed Zone Temp	230-240°C
Compression Zone Temp	250-260°C
Metering Zone Temp	250-270°C
Nozzle Temp	250-260°C
Melt Temp	250-270°C
Mould temp	50-90°C

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