

FORMPOLY® SN6MG25V2**(25% Glass Fibre +Mineral 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 **FORMPOLY® SN6MG25V2**, which is Glass with selected fibre minerals reinforced flame retardant grade meeting UL-94 V2 requirements with high modulus.

FORMPOLY® SN6MG25V2

Flame retardant grade with Excellent stiffness.

Meeting UL-94 V2 rating in 0.8mm thickness

Meeting RoHS compliances fully.

High Glow wire flammability index with low dripping

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® SN6MG25V2 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.	120
Elongation at Break	D638	%	2.5
Flexural Stress	D790	MPa.	170
Flexural Modulus	D790	MPa.	7500
Tensile Modulus	D 638	Mpa	7800
Izod Impact Strength Notched	D256	Kg Cm/ Cm	6
Heat Deflection Temp			
- at 4.6 Kg / Cm ² load	D648	'C	215
- at 18.5 Kg / Cm ² load			200
Specific Gravity	D792	-	1.39
Shrinkage ,flow	D955	%	0.4- 0.6
Flammability(0.75mm)	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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ISO 9001:2015, IATF 16949: 2009 & ISO 14001: 2015 Certified Firm



PROCESSING OF FORMPOLY® SN6MG25V2

PROCESS PARAMETERS SUGGESTED

PROCESSING PARAMETERS	FORMPOLY® SN6MG25V2
Drying Temperature	80°C
Drying Time	4Hrs
Feed Zone Temp	240-250°C
Compression Zone Temp	250-260°C
Metering Zone Temp	250-270°C
Nozzle Temp	260-270°C
Melt Temp	250-270°C
Mould temp	50-90°C

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