

FORMPOLY SN6MF20FR2

(20% 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 **SN6MF20FR2**, which is Glass with selected fibre minerals reinforced flame retardant grade meeting UL-94 V2 requirements with high modulus.

FORMPOLY SN6MF20FR2

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 SN6MF20FR2 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.	65
Elongation at Break	D638	%	2.5
Tensile Modulus	D 638	Mpa	6500
Izod Impact Strength Notched	D256	Kg Cm/ Cm	4
Heat Deflection Temp unannealed			
- 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

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