

# FORMPOLY SN6KM14

## (25% 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 **SN6KM14**, which is Glass with selected fibre minerals reinforced flame retardant grade meeting UL-94 V2 requirements with high modulus.

### FORMPOLY SN6KM14

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 SN6KM14** 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.	70
Elongation at Break	D638	%	2.5
Tensile Modulus	D 638	Mpa	7200
Izod Impact Strength Notched	D256	Kg Cm/ Cm	4
Heat Deflection Temp unannealed			
- at 4.6 Kg / Cm2 load	D648	°C	215
- at 18.5 Kg / Cm2 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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