

FORMPOLY® SN66CF30

(30% Carbon Fibre Reinforced Nylon66)

GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® SN66CF30**, which is heat stabilized, Carbon Fibre Reinforced Nylon 66 with high stiffness.

FORMPOLY® SN66CF30

Easy flow and Fast solidification
Lubricated and heat stabilized
High mechanical properties
Excellent dimensional stability
Low Moisture absorption

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® SN66CF30 is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Electrical Conductive Parts
Automotive inner and Outer Parts
Gears, Housing
High temperature resistance parts

Property	ASTM Method	Unit	Value
Tensile Stress	ISO 527	MPa	180
Elongation at Break	ISO 527	%	5
Izod Impact Strength Notched		kg.cm/cm	6
Heat Deflection Temp			
- at 4.6 kg/cm ² load	ISO 75	°C	255
- at 18.5 kg/cm ² load	ISO 75	°C	250
Vicat Softening Temp	ISO 306	°C	252
Specific Gravity	ISO 1183	-	1.26
Flammability	UL 94	-	HB
Volume Resistivity	IEC 60093	Ohms-cm	10 ³
Surface Resistivity	IEC 60093	Ohms	10 ³

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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