

FORMPOLY® SN66GF50

(50% Glass Fibre Reinforced Nylon66)

GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® SN66GF50**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 66 with very high mechanical properties and reduced shrinkage.

FORMPOLY® SN66GF50

Easy flow and Fast solidification
Heat stabilized and toughened
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® SN66GF50 is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Magnet cover
Bearing cages
Terminal Blocks
Switch assembly
Housings

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	215
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa	225
Flexural Modulus	D790	MPa	13000
Izod Impact Strength Notched	D256	kg.cm/ cm	7
Heat Deflection Temp			
- at 4.6 kg / cm ² load	D648	°C	250
- at 18.5 kg / cm ² load	D648	°C	240
Specific Gravity	D792	-	1.56
Shrinkage	D955	%	0.05-0.2
Volume Resistivity	D257	Ohms-cm	10 ¹⁴
Surface Resistivity	D257	Ohms	10 ¹³

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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