# 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 predry 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	Unit	Value
	Method		
Tensile Stress	D638	MPa	215
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa	225
Flexural Modulus	D790	MPa	13000
Izod Impact Strength	D256	kg.cm/ cm	7
Notched			
Heat Deflection Temp			
- at 4.6 kg/cm² load	D648	°C	250
- at 18.5 kg/cm² load	D648	°C	240
Specific Gravity	D792	-	1.56
Shrinkage	D955	%	0.05-0.2
Volume Resistivity	D257	Ohms-cm	1O <sup>14</sup>
Surface Resistivity	D257	Ohms	10 <sup>13</sup>

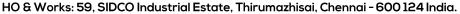
Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen Coloured grades would record slightly lower mechanical properties as permitted by ASTM D-4066

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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