

# FORMPOLY® SN6GF40LT

## (40% Glass Fibre Reinforced Nylon6)

### GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, and mineral reinforced to flame retardant including **FORMPOLY® SN6GF40LT**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY® SN6GF40LT

Easy flow and Fast solidification  
Lubricated and heat stabilized  
High mechanical properties  
Excellent dimensional stability  
Low water 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® SN6GF40LT** is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

Bearing cages  
Terminal block  
Switch housing  
Motor insulation parts  
Coil former

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	200
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa.	260
Flexural Modulus	D790	MPa.	9500
Izod Impact Strength Notched	D256	Kg cm/cm	16
Heat Deflection Temp			
- at 4.5 Kg/cm <sup>2</sup> load	D648	°C	220
- at 18.5 Kg/cm <sup>2</sup> load			200
Specific Gravity	D792	-	1.47
Shrinkage	D955	%	0.25-0.35
Volume Resistivity	D-257	Ohms-cm	10E15
Surface Resistivity	D-257	Ohms	10E14

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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