

# FORMPOLY® SN6GF30LT

## (30% Glass Fibre Reinforced Nylon6)

### GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® SN6GF30LT**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY® SN6GF30LT

Increased Toughness  
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® SN6GF30LT** is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

Drive pulley  
Switch assembly  
Housing for power tool  
Automotive application  
Instrument housing

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	180
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa	260
Flexural Modulus	D790	MPa	8500
Izod Impact Strength Notched	D256	kg.cm/cm	13
Heat Deflection Temp			
- at 4.6 kg/cm <sup>2</sup> load	D648	°C	220
- at 18.5 kg/cm <sup>2</sup> load	D648	°C	200
Specific Gravity	D792	-	1.36
Shrinkage	D955	%	0.15-0.3

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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