

FORMPOLY® SN6GF30HG**(30% Glass Fibre Reinforced Nylon6- Heat Stabilized)****GENERAL**

FPL offers a range of Nylon 6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® SN6GF30HG**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® SN6GF30HG

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® SN6GF30HG 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
Radiator fans
Instrument Housing

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	180
Elongation at Break	D638	%	4
Tensile Modulus	D638	MPa	9500
Flexural Stress	D790	MPa	260
Flexural Modulus	D790	MPa	9000
Charpy Impact Strength Notched	D6110	kg.cm/cm	13
Heat Deflection Temp - at 4.6 kg / cm ² load	D648	°C	220
- at 18.5 kg / cm ² load		°C	205
Specific Gravity	D792	-	1.36
Shrinkage	D955	%	0.15-0.3
Volume Resistivity	D257	Ohms-cm	10E15
Surface Resistivity	D257	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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