FORMPOLY® SN6GF45LT
(45% 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® SN6GF45LT**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® SN6GF45LT
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® SN6GF45LT 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	205
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa	300
Flexural Modulus	D790	MPa	12000
Izod Impact Strength Notched	D256	kg.cm/cm	20
Heat Deflection Temp			
- at 4.5 kg/cm² load	D648	°C	220
- at 18.5 kg/cm² load		°C	200
Specific Gravity	D792	-	1.49
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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ISO 9001:2015, IATF 16949: 2009 & ISO 14001: 2015 Certified Firm