

FORMPOLY® SN6GF40ST**(40% Glass Fibre Reinforced Nylon6 - Impact Modified)****GENERAL**

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, and mineral reinforced to flame retardant including **FORMPOLY® SN6GF40ST**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® SN6GF40ST

High Impact Strength
Lubricated and heat stabilized
High mechanical properties
Excellent dimensional stability
Good surface finish

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® SN6GF40ST 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	175
Elongation at Break	D638	%	3.5
Flexural Stress	D790	MPa	270
Flexural Modulus	D790	MPa	10000
Izod Impact Strength Notched	D256	kg.cm/cm	25
Heat Deflection Temp			
- at 4.5 kg/cm ² load	D648	°C	220
- at 18.5 kg/cm ² load	D648	°C	200
Specific Gravity	D792	-	1.44
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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