

# FORMPOLY® N66GF30ST

## (30% Glass Fibre Reinforced High Impact Nylon66)

### GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66GF30ST**, which is heat stabilized, impact enhanced, Glass Fibre Reinforced with excellent mechanical/thermal properties and reduced shrinkage.

### FORMPOLY® N66GF30ST

Easy flow and Fast solidification  
Good mould release properties  
High mechanical properties  
Excellent dimensional stability  
Low Moisture 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® N66GF30ST** is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

Radiator fans  
Bobbins and Guide  
Instrument Housings  
Switch assembly  
Textile applications

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	160
Elongation at Break	D638	%	>3
Flexural Stress	D790	MPa	230
Flexural Modulus	D790	MPa	9000
Izod Impact Strength Notched	D256	kg.cm/cm	>15
Heat Deflection Temp			
- at 4.6 kg/cm <sup>2</sup> load	D648	°C	255
- at 18.5 kg/cm <sup>2</sup> load	D648	°C	250
Specific Gravity	D792	-	1.37
Shrinkage	D955	%	0.15-0.3
Volume Resistivity	D257	Ohms-cm	10 <sup>15</sup>
Surface Resistivity	D257	Ohms	10 <sup>14</sup>

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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