

# FORMPOLY® N66GF15ST

## (15% Glass Reinforced Nylon66 - Impact Modified)

### GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66GF15ST**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY® N66GF15ST

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® N66GF15ST** is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

Pillion Handles  
Automotive parts  
Motor insulation parts  
Radiator fans  
Instrument Housing

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	100
Elongation at Break	D638	%	10
Flexural Stress	D790	MPa	145
Flexural Modulus	D790	MPa	4000
Izod Impact Strength Notched	D256	kg cm/cm	13
Heat Deflection Temp			
- at 0.45Mpa	D648	°C	240
- at 1.80Mpa	D648	°C	225
Specific Gravity	D792	-	1.22
Shrinkage flow	D955	%	0.3-0.6

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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