

# FORMPOLY® N6GP28ST

## (Unfilled Nylon 6-Higher Toughness)

### GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GP28ST**, which is lubricated Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

#### **FORMPOLY® N6GP28ST**

- Higher Impact resistance
- Easy processability
- Excellent Thermal resistance
- Good finish and Gloss
- High elongation and flexibility

### 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® N6GP28ST** is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

- Handle bar
- Sprocket housing
- Terminals/Connectors
- Brake lever
- Automotive inner parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	67
Elongation at Break	D638	%	35
Flexural Stress	D790	MPa.	100
Flexural Modulus	D790	MPa.	2200
Izod Impact Strength Notched	D256	Kg cm/cm	14
Heat Deflection Temp			
- at 4.6 Kg/cm <sup>2</sup> load	D648	°C	135
- at 18.5 Kg/cm <sup>2</sup> load			70
Specific Gravity	D792	-	1.12
Shrinkage	D955	%	1.5 - 2.0
Volume Resistivity	D257	Ohms-cm	10E15
Surface Resistivity	D257	Ohms	10E15

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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