

# FORMPOLY® N6GP28T (Unfilled Nylon 6-Toughened)

## GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GP28T**, which is lubricated Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY® N6GP28T

High Impact resistance  
Excellent Thermal resistance  
Good finish and Gloss  
Easy processability  
Easy flow and fast solidification  
Fast cycle time

## 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® N6GP28T** is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

## APPLICATION

Instrument frame  
Electrical switches & Knobs  
Terminals/Connectors  
Mirror housings  
Motor covers insulation parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	75
Elongation at Break	D638	%	30
Flexural Stress	D790	MPa	105
Flexural Modulus	D790	MPa	2700
Izod Impact Strength Notched	D256	kg.cm/cm	9
Heat Deflection Temp - at 4.6 kg/cm <sup>2</sup> load - at 18.5 kg/cm <sup>2</sup> load	D648	°C	140 70
Specific Gravity	D792	-	1.13
Shrinkage	D955	%	1.5-2.0
Relative viscosity	D2857	-	2.8

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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