

# FORMPOLY® N6GP24 (Unfilled Nylon 6)

## GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GP24**, which is lubricated Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY® N6GP24

High heat resistance  
Easy processability  
Excellent chemical resistance  
Good weathering resistance  
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® N6GP24** is supplied in 25 kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

## APPLICATION

Cable sheathing  
Electrical switches & Knobs  
Plugs / Sockets  
Trolley wheels  
Safety helmets

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	85
Elongation at Break	D638	%	30
Flexural Stress	D790	MPa	115
Flexural Modulus	D790	MPa	3000
Izod Impact Strength Notched	D256	kg.cm/cm	6
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	-	1.14
Shrinkage	D955	%	1.5-2.0
Relative viscosity	D2857	-	2.4

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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