

# **FORMPOLY N6GP24RC (UNFILLED NYLON6)**

**GENERAL**

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY N6GP24RC**, which is lubricated unfilled Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

**FORMPOLY N6GP24RC**

- 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 N6GP24RC** 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	D648	'C	140
- at 18.5 Kg / Cm <sup>2</sup> load			70
Specific Gravity	D792	-	1.14
Shrinkage	D955	%	1.5-2.0
Relative viscosity	D-2857	-	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

**FORMULATED POLYMERS LIMITED**

**Manufacturers of Engineering Plastics Compounds**

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