

FORMPOLY® N6GP28 (Unfilled Nylon 6)

GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GP28**, which is lubricated Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N6GP28

- 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® N6GP28 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 ² load	D648	°C	140
- at 18.5 kg/cm ² load			70
Specific Gravity	D792	-	1.14
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

FORMULATED POLYMERS LIMITED

Manufacturers of Engineering Plastics Compounds

Ph: +91-44-26811236,7:: Fax:26811275 E Mail: info@formulatedpolymers.com

URL: www.formulatedpolymers.com

HO & Works: 59, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600124 India..

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