

FORMPOLY® N6GP35 (Unfilled NYLON 6)

GENERAL

FPL offers a range of Nylon 6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GP35**, which is lubricated Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N6GP35

Easy processability
Good weathering resistance
Excellent chemical resistance
High heat resistance

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® N6GP35 is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Cable sheathing
Fishnet
Pipes and Tubes
Pulleys
Safety helmets

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	70
Elongation at Break	D638	%	30
Flexural Stress	D790	MPa	105
Flexural Modulus	D790	MPa	2750
Izod Impact Strength Notched	D256	Kg cm/cm	4
Heat Deflection Temp			
- at 4.6 Kg/cm ² load	D646	°C	140
- at 18.5 Kg/cm ² load			70
Specific Gravity	D792	-	1.14
Shrinkage	D955	%	1.5-2.0
Relative viscosity	D2857	-	3.5

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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