

FORMPOLY® N66GP30 (Unfilled Nylon 66)

GENERAL

FPL offers a wide range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66GP30** which is easy flow and low melt viscosity primarily intended for Injection moulding, with enhanced tribological properties for unlubricated systems.

FORMPOLY® N66GP30

Easy flow and Fast solidification.
Good Chemical resistance
Available in variable colours
Easy flow fast solidification
Fine crystalline structure

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® N66GP30 is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Locknut fasteners
Motor insulation parts
Terminals/Connectors
Electrical Knobs
Fuse Box

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	80
Elongation at Break	D638	%	30
Flexural Stress	D790	MPa	110
Flexural Modulus	D790	MPa	2800
Izod Impact Strength Notched	D256	kg.cm/cm	6
Heat Deflection Temp - at 4.6 kg/cm ² load	D648	°C	150
- at 18.5 kg/cm ² load	D648	°C	75
Specific Gravity	D792	-	1.14
Shrinkage	D955	%	1.5-1.8
Volume Resistivity	D257	Ohms-cm	10E15
Surface Resistivity	D257	Ohms	10E14
Relative Viscosity	D2857	-	2.7

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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