

FORMPOLY® N6GP28MC (Unfilled Nylon 6-Plasticized)

GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GP28MC**, which is plasticized Nylon 6 with good mechanical properties, high impact and flexibility.

FORMPOLY® N6GP28MC

UV stability
Excellent Gloss and surface finish
Excellent chemical resistance
Good wear resistance
Highly Plasticized
Good cold impact strength
High flexibility

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® N6GP28MC is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Electrical switches & Knobs
Textile pulleys
Locknut fasteners
Motor insulation parts
Terminals/Connectors
Electrical Knobs
Fuse Box

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	50
Elongation at Break	D638	%	>30
Flexural Stress	D790	MPa	75
Flexural Modulus	D790	MPa	2000
Izod Impact Strength Notched	D256	kg cm/cm	12
Heat Deflection Temp - at 4.6 Kg/cm ² load - at 18.5 Kg/cm ² load	D648	°C	130 65
Specific Gravity	D792	-	1.11
Shrinkage	D955	%	1.5-2.0

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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ISO 9001:2015, IATF 16949: 2009 & ISO 14001: 2015 Certified Firm

