

FORMPOLY N6GM12

(10%Glass Fibre + 20% Mineral Reinforced Nylon6)

GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY N6GM12**, which is heat stabilized, lubricated Glass Fibre and mineral reinforced Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY N6GM12

- Easy flow and Fast solidification
- Warpage free molding
- High mechanical properties
- Excellent dimensional stability
- Low water absorption
- Excellent finish with Gloss
- Good for Online painting

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 N6GM12 is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

- Wheel cover
- Automobile inner parts
- Pillion handle
- Housings
- Online painting parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	110
Elongation at Break	D638	%	6
Flexural Stress	D790	MPa.	190
Flexural Modulus	D790	MPa.	7000
Izod Impact Strength Notched	D256	Kg Cm/ Cm	6
Heat Deflection Temp			
- at 4.6 Kg / Cm ² load	D648	°C	190
- at 18.5 Kg / Cm ² load			180
Specific Gravity	D792	-	1.36
Shrinkage	D955	%	0.15-0.3

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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