

FORMPOLY® N6GF10LT (10% Glass Reinforced Nylon 6)

GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GF10LT**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N6GF10LT

- Easy flow and fast solidification
- Lubricated and heat stabilized
- High mechanical properties
- Excellent dimensional stability
- Low water absorption

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® N6GF10LT is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

- Power tools
- Automotive parts
- Motor insulation parts
- Drive pulley
- Instrument Housing

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	85
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa	140
Flexural Modulus	D790	MPa	4000
Izod Impact Strength Notched	D256	kg.cm/cm	7.5
Heat Deflection Temp			
- at .45 MPa	D648	°C	175
- at 1.80 MPa	D648	°C	150
Specific Gravity	D792	-	1.20
Shrinkage flow	D955	%	0.3-0.6

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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