

FORMPOLY® N66GF10LT

(10% Glass Fibre Reinforced Nylon66)

GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66GF10LT**, which is Glass Fibre Reinforced Nylon 66 with increased toughness a lubricated with high tensile properties.

FORMPOLY® N66GF10LT

Good Surface finish
High heat performance with rigidity
High mechanical, thermal properties
Offer reduced shrinkage

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® N66GF10LT is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Gears/cams
Terminal Block
Rollers/Propeller
High Pressure Seal
Dipstick

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	90
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa	150
Flexural Modulus	D790	MPa	4000
Izod Impact Strength Notched	D256	kg.cm/cm	7
Heat Deflection Temp			
- at 4.6 kg/cm ² load	D648	°C	175
- at 18.5 kg/cm ² load	D648	°C	150
Specific Gravity	D792	-	1.2
Shrinkage	D955	%	0.7-1.0
Volume Resistivity	D257	Ohms-cm	10 ¹⁵
Surface Resistivity	D257	Ohms	10 ¹⁴

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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