

FORMPOLY N66GF43LT (43%Glass Fibre Reinforced Nylon66)

GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY N66GF43LT**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY N66GF43LT

Easy flow and Fast solidification
Lubricated and heat stabilized
High mechanical properties
Excellent dimensional stability
Low Moisture 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 N66GF43LT is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Magneto cover
Bearing cages
Terminal block
Switch assembly
Housings

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	190
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa.	260
Flexural Modulus	D790	MPa.	10000
Izod Impact Strength Notched	D256	Kg Cm/ Cm	14
Heat Deflection Temp			
- at 4.6 Kg / Cm ² load	D646	'C	240
- at 18.5 Kg / Cm ² load			240
Specific Gravity	D792	-	1.48
Shrinkage	D955	%	0.05-0.2
Volume Resistivity	D-257	Ohms-cm	10 ¹⁵
Surface Resistivity	D-257	Ohms	10 ¹⁴

Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen
Pigmented color would record 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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