

FORMPOLY® N46GF30

(30% Glass Reinforced Nylon46)

GENERAL

FPL offers a range of Nylon46 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N46GF30**, which is glass fibre reinforced Nylon 46 with heat stabilization.

FORMPOLY® N46GF30

Excellent Electrical Conductivity
Lubricated and heat stabilized
High mechanical properties
Excellent dimensional stability
Good surface finish

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 4 to 5 hours for good surface finish.

PACKING

FORMPOLY® N46GF30 is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Engine Covers
Oil Filter Parts
Clutch Rings
Connectors

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	210
Elongation at Break	D638	%	4
Tensile Modulus	D638	MPa	10000
Flexural Modulus	D790	MPa	9000
Izod Impact Strength Notched	D256	kg.cm/cm	12
Heat Deflection Temp - at 18.5 kg/cm ² load	D648	°C	290
Volume Resistivity	D257	Ohms.cm	1E ¹⁴
Specific Gravity	D792	-	1.40

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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