

# FORMPOLY® N46GF50

## (50% Glass Reinforced Nylon46)

### GENERAL

FPL offers a range of Nylon46 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N46GF50**, which is glass fibre reinforced Nylon 46 with heat stabilization.

### FORMPOLY® N46GF50

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® N46GF50** 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	250
Elongation at Break	D638	%	2.5
Tensile Modulus	D638	MPa	14500
Flexural Modulus	D790	MPa	14000
Izod Impact Strength Notched	D256	kg.cm/cm	16
Heat Deflection Temp - at 18.5 kg/cm <sup>2</sup> load	D648	°C	290
Volume Resistivity	D257	Ohms.cm	1E <sup>14</sup>
Specific Gravity	D792	-	1.62

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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