

# FORMPOLY® N46GP30 (Unfilled Nylon46)

## GENERAL

FPL offers a range of Nylon46 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N46GP30**, which is unreinforced Nylon 46 with heat stabilizatiion.

## FORMPOLY® N46GP30

Excellent Electrical Conductivity  
Lubricated and heat stabilized  
High mechanical properties  
Excellent mould release  
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® N46GP30** is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

## APPLICATION

Value Parts  
Oil Filter Parts  
Bearing Gages  
Connectors

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	100
Elongation at Break	D638	%	40
Tensile Modulus	D638	MPa	3300
Flexural Modulus	D790	MPa	3000
Izod Impact Strength Notched	D256	kg.cm/cm	10
Heat Deflection Temp - at 18.5 kg/cm <sup>2</sup> load	D648	°C	190
Volume Resistivity	D257	Ohms.cm	1E <sup>14</sup>
Specific Gravity	D792	-	1.18

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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