

# FORMPOLY® N46GF30FR

## (30% Glass Reinforced Nylon46)

### GENERAL

FPL offers a range of Nylon46 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N46GF30FR**, which is glass fibre reinforced Nylon 46 with heat stabilization.

### FORMPOLY® N46GF30FR

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® N46GF30FR** is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

Terminal Blocks  
Encapsulation  
Bobbins  
Armature core

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	180
Elongation at Break	D638	%	2.5
Tensile Modulus	D638	MPa	12500
Flexural Modulus	D790	MPa	11500
Izod Impact Strength Notched	D256	kg.cm/cm	9
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	-	1.68

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

## FORMULATED POLYMERS LIMITED

Manufacturers of Engineering Plastics Compounds

Ph: +91-44-26811236,7:: Fax:26811275 E Mail: info@formulatedpolymers.com

URL: [www.formulatedpolymers.com](http://www.formulatedpolymers.com)

HO & Works: 59, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600 124 India..

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