

# FORMPOLY N66MF30 (30%Mineral Reinforced Nylon66)

## GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY N66MF30**, which is heat stabilized, lubricated mineral Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

### **FORMPOLY N66MF30**

- Low warping
- High heat resistance
- Moderate mechanical properties
- Excellent dimensional stability
- Easy paintable

## 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 N66MF30** is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

## APPLICATION

- Automotive parts
- Wheel covers
- MCB housing
- Lamp housing
- Handle

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	80
Elongation at Break	D638	%	6
Flexural Stress	D790	MPa.	170
Flexural Modulus	D790	MPa.	7500
Izod Impact Strength Notched	D256	Kg Cm/ Cm	7
Heat Deflection Temp			
- at 4.6 Kg / Cm <sup>2</sup> load	D646	'C	200
- at 18.5 Kg / Cm <sup>2</sup> load			190
Specific Gravity	D792	-	1.36
Shrinkage	D955	%	0.2-0.3
Volume Resistivity	D-257	Ohms-cm	10 <sup>14</sup>
Surface Resistivity	D-257	Ohms	10 <sup>13</sup>

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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