

# FORMPOLY® N66GP30HIM

## (Unfilled Nylon 66 -Impact Modified grade)

### GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66GP30HIM**, which is easy flow and low melt viscosity primarily intended for injection moulding. With enhanced tribological properties for non-lubricated systems.

### FORMPOLY® N66GP30HIM

Easy flow and Fast solidification  
Good chemical resistance  
Excellent dimensional stability  
Fine crystalline structure  
Low Moisture absorption

### 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® N66GP30HIM** is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

Locknut fasteners  
Motor insulation parts  
Terminals/Connectors  
Electrical Knobs  
Fuse Box

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	45
Elongation at Break	D638	%	30
Flexural Stress	D790	MPa	100
Flexural Modulus	D790	MPa	1650
Izod Impact Strength Notched	D256	kg.cm/cm	20
Heat Deflection Temp			
- at 4.6 kg / cm <sup>2</sup> load	D648	°C	100
- at 18.5 kg / cm <sup>2</sup> load	D648	°C	85
Specific Gravity	D792	-	1.14
Volume Resistivity	D-257	Ohms-cm	10 <sup>15</sup>
Surface Resistivity	D-257	Ohms	10 <sup>14</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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