

# FORMPOLY® N66HS30

## (Unfilled Nylon66–Heat Stabilized)

### GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66HS30**, which is heat stabilized Nylon 66 with excellent mechanical and thermal properties.

### FORMPOLY® N66HS30

Heat stabilized  
Excellent hot oil/diesel and other chemical resistance  
Available in Brown color  
Easy flow and fast solidification  
Fine crystalline structure

### 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® N66HS30** is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

Bearing retainer rings  
Motor insulation parts  
Hot oil application

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	80
Elongation at Break	D638	%	20
Flexural Stress	D790	MPa.	110
Flexural Modulus	D790	MPa.	2800
Izod Impact Strength Notched	D256	Kg cm/cm	6
Heat Deflection Temp			
- at 4.6 Kg/cm <sup>2</sup> load	D648	°C	150
- at 18.5 Kg/cm <sup>2</sup> load			75
Specific Gravity	D792	-	1.14
Shrinkage	D955	%	1.5-1.8
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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