

# FORMPOLY N66GF33HSLR

## (33%Glass Fibre Reinforced Nylon66-Glycol Resistant)

### GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66GF33HSLR**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY® N66GF33HSLR

High heat and Glycol resistant  
Excellent chemical resistance  
Good gloss and surface finish  
Excellent dimensional stability  
Easy Processability

### 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® N66GF33HSLR** is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

High heat automotive applications  
Radiation fans  
Radiator shroud  
Switch assembly  
Coil former

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	190
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa	240
Flexural Modulus	D790	MPa	9500
Izod Impact Strength Notched	D256	kg.cm/cm	13
Heat Deflection Temp			
- at 4.6 Kg/cm <sup>2</sup> load	D6478	°C	260
- at 18.5 Kg/cm <sup>2</sup> load			250
Specific Gravity	D792	-	1.38
Shrinkage	D955	%	0.15-0.3
Volume Resistivity	D257	Ohms-cm	10E15
Surface Resistivity	D257	Ohms	10E14

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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