

FORMPOLY® N66GF15FR

(15% Glass Reinforced Nylon66- FR Grade)

GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66GF15FR**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N66GF15FR

Meeting UL-94 V0 flammability rating
 Warpage to free moulding
 Easy processability
 Good surface finish and Gloss
 Good mechanical and electrical properties
 High ESCR

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® N66GF15FR is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Electrical switches
 MCB Housing
 Relay Base
 PCB Frames
 Connectors

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	100
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa	145
Flexural Modulus	D790	MPa	4500
Izod Impact Strength Notched	D256	kg.cm/cm	7
Heat Deflection Temp			
- at 4.6 kg/cm ² load	D648	°C	200
- at 18.5 kg/cm ² load	D648	°C	170
Specific Gravity	D792	-	1.38
Shrinkage	D955	%	0.2-0.6
Volume Resistivity	D257	Ohms-cm	10 ¹⁵
Surface Resistivity	D257	Ohms	10 ¹⁴
Flammability	UL94	-	V0

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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