

FORMPOLY® N6GF15FRFH**(15% Glass Fibre Reinforced Nylon6- Meets UL94 V0)****GENERAL**

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GF15FRFH**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N6GF15FRFH

Meeting UL-94 V0 flammability
Halogen Free FR
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® N6GF15FRFH 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	105
Elongation at Break	D638	%	6
Flexural Strength	D790	MPa	140
Flexural Modulus	D790	MPa	4500
Izod Impact Strength Notched	D256	kg cm/cm	6
Heat Deflection Temp - at 18.5 kg/cm ² load	D648	°C	120
Specific Gravity	D792	-	1.28
Volume Resistivity	D257	Ohms-cm	10 ¹⁵
Surface Resistivity	D257	Ohms	10 ¹⁴
Flammability @1.6mm	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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