

FORMPOLY® N6GF40FR2

(40% Glass Fibre Reinforced Nylon6, FR Grade)

GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, and mineral reinforced to flame retardant including **FORMPOLY® N6GF40FR2**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N6GF40FR2

Easy flow and Fast solidification
Lubricated and heat stabilized
High mechanical properties
Excellent dimensional stability
Low water 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® N6GF40FR2 is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Drive pulley
Switch assembly
Housing for power tool
Radiator fans
Instrument Housing

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	170
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa	275
Flexural Modulus	D790	MPa	13500
Izod Impact Notched at 23°C	D256	kg.cm/cm	15
Heat Deflection Temp - at 18.5 kg/cm ² load	D648	°C	210
Specific Gravity	D792	-	1.60
Mould shrinkage	D955	%	0.3
Flammability @ 1.6 mm	UL94	-	V2
GWIT @ 1.5 mm	IEC 60695-2-12	°C	850
Melting Point	D3418	°C	215

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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