

FORMPOLY N6BF40

(40%Mineral +Glass Reinforced Nylon6)

GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY N6BF40**, which is heat stabilized, lubricated mineral and Glass Reinforced Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY N6BF40

- Low warping
- High heat resistance
- Moderate mechanical properties
- Excellent dimensional stability
- Easy paintable

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 N6BF40 is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

- Automotive parts
- Wheel covers
- MCB housing
- Lamp housing
- Handle

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	130
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa.	240
Flexural Modulus	D790	MPa.	9000
Izod Impact Strength Notched	D256	Kg Cm/ Cm	7
Heat Deflection Temp			
- at 4.6 Kg / Cm ² load	D646	'C	220
- at 18.5 Kg / Cm ² load			210
Specific Gravity	D792	-	1.48
Shrinkage	D955	%	0.1-0.2
Volume Resistivity	D-257	Ohms-cm	10E14
Surface Resistivity	D-257	Ohms	10E13

Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen

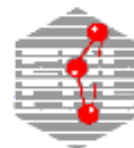
Coloured grades would record slightly lower mechanical properties as permitted by ASTM D-4066

The information present here is for general guidance. It is given in good faith but no warrant is attached

FORMULATED POLYMERS LIMITED

Manufacturers of Engineering Plastics Compounds

Ph: +91-44-26811236,7:: Fax:2681 1275 E Mail: formpoly@vsnl.com URL: www.formulatedpolymers.com
HO & Works: 59, SIDCO Industrial Estate, Thirumazhisai, Chennai – 600 124India



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