

FORMPOLY® N6BF40MS

(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® N6BF40MS**, which is heat stabilized, lubricated mineral and Glass Reinforced Nylon 6 Mos2 filled for lubrication with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N6BF40MS

- Low warping
- High heat resistance
- High wear
- Highly lubricated
- 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® N6BF40MS is supplied in 25 Kgs. 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. | 150 |
| Elongation at Break | D638 | % | 3 |
| Flexural Stress | D790 | MPa. | 250 |
| Flexural Modulus | D790 | MPa. | 9500 |
| Izod Impact Strength Notched | D256 | Kg cm/cm | 7 |
| Heat Deflection Temp | | °C | |
| - at 4.6 Kg/cm ² load | D648 | | 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

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