

# FORMPOLY® SN6MF30 (30% Mineral Reinforced Nylon6)

## GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® SN6MF30**, which is lubricated mineral filled Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage

### FORMPOLY® SN6MF30

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

## 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® SN6MF30** 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      | 75    |
| Elongation at Break   | D638        | %        | 10    |
| Flexural Modulus  | D790        | MPa      | 4000  |
| Tensile Modulus   | D 638       | Mpa      | 4400  |
| Izod Impact Strength Notched                                | D256        | kg.cm/cm | 7     |
| Heat Deflection Temp<br>- at 18.5 kg / cm <sup>2</sup> load | D648        | °C       | 80    |
| Specific Gravity  | D792        | -        | 1.37  |
| Flammability(1.6mm)   | UL-94       | -        | HB    |

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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