

FORMPOLY® SN6GF50 (50% Glass Fibre Reinforced Nylon6)

GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® SN6GF50**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® SN6GF50

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® SN6GF50 is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Bearing cages
Terminal block
Switch housing
Motor insulation parts
Coil former

| Property | ASTM Method | Unit | Value |
|--|-------------|----------|-----------|
| Tensile Stress | D638 | MPa | 190 |
| Elongation at Break | D638 | % | 3 |
| Flexural Stress | D790 | MPa | 290 |
| Flexural Modulus | D790 | MPa | 11000 |
| Izod Impact Strength Notched | D256 | kg.cm/cm | 10 |
| Heat Deflection Temp - at 4.6 Kg/cm ² load | D648 | °C | 220 |
| Specific Gravity | D792 | - | 1.53 |
| Shrinkage | D955 | % | 0.15-0.25 |
| Volume Resistivity | D257 | Ohms-cm | 10E15 |
| Surface Resistivity | D257 | Ohms | 10E14 |

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: info@formulatedpolymers.com

URL: www.formulatedpolymers.com

HO & Works: 59, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600 124 India..

ISO 9001:2015, IATF 16949: 2009 & ISO 14001: 2015 Certified Firm

