

FORMPOLY® N66GF40T

(40% Glass Fibre Reinforced Nylon66)

GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66GF40T**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N66GF40T

Easy flow and Fast solidification
Lubricated and heat stabilized
High mechanical properties
Excellent dimensional stability
Low Moisture 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® N66GF40T is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Magnet Cover
Bearing cages
Terminal Block
Switch assembly
Housings

| Property | ASTM Method | Unit | Value |
|--|-------------|-------------------|------------------|
| Tensile Stress | ISO 527 | MPa | 186 |
| Elongation at Break | ISO 527 | % | 3 |
| Flexural Stress | ISO 178 | MPa | 255 |
| Flexural Modulus | ISO 178 | MPa | 12000 |
| Izod Impact Strength Unnotched | ISO 179 | kg.cm/cm | 87 |
| Heat Deflection Temp - at 4.6 kg/cm ² load | ISO 75 | °C | 250 |
| Viscosity Number | ISO 307 | ml/g | 150 |
| Specific Gravity | ISO 1183 | g/cm ³ | 1.46 |
| Shrinkage | ISO 294 | % | 0.05-0.2 |
| Volume Resistivity | D-257 | Ohms-cm | 10 ¹⁵ |
| Surface Resistivity | D-257 | Ohms | 10 ¹⁴ |

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:26811275 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

