FORMPOLY® N66GF30 (30% Glass Fibre Reinforced Nylon66)

GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including FORMPOLY® N66GF30, which is heat stabilized Glass Fibre Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N66GF30

Easy flow and Fast solidification Heat stabilized and toughened 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 predry the material at 100°C for 2 to 3 hours for good surface finish.

PACKING

FORMPOLY® N66GF30 is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Radiator fans Radiator shroud Instrument Housings Switch assembly Housings

| Property | ASTM | Unit | Value |
|-----------------------|--------|-----------|-------------------------|
| | Method | | |
| Tensile Stress | D638 | MPa | 170 |
| Elongation at Break | D638 | % | 3 |
| Flexural Stress | D790 | MPa | 240 |
| Flexural Modulus | D790 | MPa | 9000 |
| Izod Impact Strength | D256 | kg.cm/ cm | 8 |
| Notched | | | |
| Heat Deflection Temp | | | |
| - at 4.6 kg/cm² load | D648 | °C | 260 |
| - at 18.5 kg/cm² load | D648 | °C | 248 |
| Specific Gravity | D792 | _ | 1.37 |
| Shrinkage | D955 | % | 0.15-0.3 |
| Volume Resistivity | D-257 | Ohms-cm | 10 ¹⁵ |
| Surface Resistivity | D-257 | Ohms | 1014 |

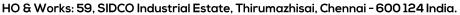
Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen Coloured grades would record slightly lower mechanical properties as permitted by ASTM D-4066

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

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

