

FORMPOLY® N6GP28RC (Unfilled Nylon 6)

GENERAL

FPL offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6GP28RC**, which is lubricated Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N6GP28RC

- High heat resistance
- Easy processability
- Excellent chemical resistance
- Good weathering resistance
- Easy flow and fast solidification
- Fast cycle time

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® N6GP28RC is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

- Cable sheathing
- Electrical switches & Knobs
- Plugs / Sockets
- Trolley wheels
- Safety helmets

| Property | ASTM Method | Unit | Value |
|-----------------------------------|-------------|----------|---------|
| Tensile Stress | D638 | MPa | 85 |
| Elongation at Break | D638 | % | 30 |
| Flexural Stress | D790 | MPa | 115 |
| Flexural Modulus | D790 | MPa | 3000 |
| Izod Impact Strength Notched | D256 | kg.cm/cm | 6 |
| Heat Deflection Temp | | | |
| - at 4.6 kg/cm ² load | D648 | °C | 140 |
| - at 18.5 kg/cm ² load | | | 70 |
| Specific Gravity | D792 | - | 1.14 |
| Shrinkage | D955 | % | 1.5-2.0 |
| Relative viscosity | D2857 | - | 2.8 |

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

