

TRIMID® N6-G33L

Polyamide 6

Polymer Technology and Services, LLC

Message:

TRIMID® N6-G33L is a Polyamide 6 (Nylon 6) product filled with 33% glass fiber. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: lubricated.

| General Information | | | |
|---|----------------------------------|-------|-------------|
| Filler / Reinforcement | Glass Fiber,33% Filler by Weight | | |
| Additive | Lubricant | | |
| Features | Lubricated | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.37 | g/cm³ | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 138 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 3.0 | % | ASTM D638 |
| Flexural Modulus | 6900 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (3.17 mm) | 80 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 204 | °C | ASTM D648 |
| Melting Temperature | 210 | °C | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 82.2 | °C | |
| Drying Time | 3.0 to 4.0 | hr | |
| Rear Temperature | < 216 | °C | |
| Middle Temperature | 227 to 254 | °C | |
| Front Temperature | 238 to 266 | °C | |
| Nozzle Temperature | 238 to 266 | °C | |
| Processing (Melt) Temp | 232 to 271 | °C | |
| Mold Temperature | 21.1 to 93.3 | °C | |
| Injection Pressure | 82.7 to 172 | MPa | |
| Back Pressure | 0.00 to 0.345 | MPa | |
| Screw Speed | 40 to 80 | rpm | |

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