

Megalon® 133GHSL

Polyamide 66

Mega Polymers

Message:

Megalon® 133GHSL is a 33% glass fiber reinforced nylon 6/6 offering an excellent balance of high temperature performance, dimensional stability, tensile strength, and impact resistance.

| General Information | | | |
|---|--|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,33% Filler by Weight | | |
| Additive | Heat Stabilizer Lubricant | | |
| Features | Good Dimensional Stability Good Impact Resistance Heat Stabilized High Tensile Strength Lubricated | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.39 | g/cm ³ | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 186 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 2.0 to 4.0 | % | ASTM D638 |
| Flexural Modulus | 9380 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 130 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 252 | °C | ASTM D648 |
| Peak Melting Temperature | 261 | °C | ASTM D3418 |
| Injection | Nominal Value | Unit | |
| Suggested Max Moisture | 0.20 | % | |
| Processing (Melt) Temp | 288 to 304 | °C | |
| Mold Temperature | 65.6 to 98.9 | °C | |

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