

Rhelon G2730H-01

Polyamide 66
RheTech, Inc.

Message:

Rhelon G2730H-01 is a Polyamide 66 (Nylon 66) product filled with 30% glass fiber. It can be processed by injection molding and is available in North America. Primary characteristic: heat stabilizer.

| General Information | | | |
|---|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,30% Filler by Weight | | |
| Additive | Heat Stabilizer | | |
| Features | Heat Stabilized | | |
| Appearance | Black | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.36 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.15 to 0.40 | % | ASTM D955 |
| Water Absorption (24 hr) | 0.90 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 131 | MPa | ASTM D638 |
| Tensile Elongation | | | ASTM D638 |
| Yield | 3.0 | % | |
| Break | 3.0 | % | |
| Flexural Modulus | 6890 | MPa | ASTM D790 |
| Flexural Strength | 248 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 59 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 249 | °C | ASTM D648 |
| Peak Melting Temperature | 257 | °C | ASTM D789 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 79.4 | °C | |
| Suggested Max Moisture | 0.20 | % | |
| Suggested Max Regrind | 25 | % | |
| Rear Temperature | 246 to 257 | °C | |
| Middle Temperature | 263 to 274 | °C | |
| Front Temperature | 268 to 282 | °C | |
| Nozzle Temperature | 268 to 282 | °C | |
| Processing (Melt) Temp | 263 to 282 | °C | |

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