

# Rhelon G2520H-01

Polyamide 66

RheTech, Inc.

## Message:

Rhelon G2520H-01 is a Polyamide 66 (Nylon 66) product filled with 20% 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,20% Filler by Weight |                   |             |
| Additive  | Heat Stabilizer                  |                   |             |
| Features  | Heat Stabilized                  |                   |             |
| Appearance  | Black                            |                   |             |
| Processing Method                                       | Injection Molding                |                   |             |
| Physical  | Nominal Value                    | Unit              | Test Method |
| Specific Gravity  | 1.28                             | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                                | 0.20 to 0.40                     | %                 | ASTM D955   |
| Mechanical  | Nominal Value                    | Unit              | Test Method |
| Tensile Strength  | 124                              | MPa               | ASTM D638   |
| Tensile Elongation                                      |                                  |                   | ASTM D638   |
| Yield   | 3.0                              | %                 |             |
| Break   | 3.0                              | %                 |             |
| Flexural Modulus  | 5860                             | MPa               | ASTM D790   |
| Flexural Strength                                       | 159                              | MPa               | ASTM D790   |
| Impact  | Nominal Value                    | Unit              | Test Method |
| Notched Izod Impact (23°C)                              | 43                               | 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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