# LNP™ THERMOCOMP™ RX06420 compound

Polyamide 66

SABIC Innovative Plastics

## Message:

LNP THERMOCOMP RX06420 is a compound based on Nylon 66 resin containing 20% Glass Fiber. Added features of this material include: Easy Molding, Low Extractable, Mold Release.
Also known as: LNP* THERMOCOMP* Compound RF-1004 EM LE MR
Product reorder name: RX06420

| General Information | | | |
|---|---|---|---|
| Filler / Reinforcement | Glass Fiber,20% Filler by Weight | | |
| Additive | Mold Release | | |
| Features | Good Mold Release<br>Good Moldability<br>Low Extractables | | |
| Processing Method | Injection Molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Specific Gravity | 1.29 | g/cm³ | ASTM D792 |
| Molding Shrinkage - Flow (24 hr) | 1.0 to 3.0 | % | ASTM D955 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Flexural Modulus | | | |
| 50.0 mm Span [1] | 5990 | MPa | ASTM D790 |
| -- [2] | 5580 | MPa | ISO 178 |
| Flexural Strength [3] (Break, 50.0 mm Span) | 161 | MPa | ASTM D790 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact (23°C) | 44 | J/m | ASTM D256 |
| Unnotched Izod Impact (23°C) | 400 | J/m | ASTM D4812 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm) | 219 | °C | ASTM D648 |
| **Injection** | **Nominal Value** | **Unit** | |
| Drying Temperature | 82.2 | °C | |
| Drying Time | 4.0 | hr | |
| Suggested Max Moisture | 0.15 to 0.25 | % | |
| Rear Temperature | 266 to 277 | °C | |
| Middle Temperature | 282 to 293 | °C | |
| Front Temperature | 293 to 304 | °C | |
| Processing (Melt) Temp | 282 to 304 | °C | |
| Mold Temperature | 93.3 to 110 | °C | |
| Back Pressure | 0.172 to 0.344 | MPa | |

| | | |
|---|---|---|
| Screw Speed | 30 to 60 | rpm |

| NOTE | |
|---|---|
| 1. | 1.3 mm/min |
| 2. | 2.0 mm/min |
| 3. | 1.3 mm/min |



## Recommended distributors for this material

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