

Technical Data Sheet

**Gapex Ht RNP38MU07BK**

Polyamide + PP
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active
Availability	• Latin America • North America
Filler / Reinforcement	• Glass Fiber, 39% Filler by Weight
Features	• High Heat Resistance
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.38	1.38 g/cm ³	ASTM D792

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield, 73°F (23°C))	22400 psi	155 MPa	ASTM D638
Tensile Elongation ¹ (Break, 73°F (23°C))	3.0 %	3.0 %	ASTM D638
Flexural Modulus - Tangent ² (73°F (23°C))	1.51E+6 psi	10400 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	2.2 ft-lb/in	120 J/m	ASTM D256

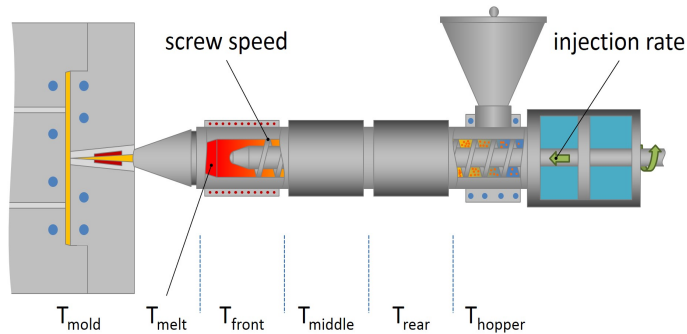
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	478 °F	248 °C	ASTM D648

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 °F	82 °C
Suggested Max Moisture	< 0.20 %	< 0.20 %
Rear Temperature	480 to 540 °F	249 to 282 °C
Middle Temperature	480 to 540 °F	249 to 282 °C
Front Temperature	480 to 550 °F	249 to 288 °C
Nozzle Temperature	480 to 550 °F	249 to 288 °C
Processing (Melt) Temp	480 to 550 °F	249 to 288 °C
Mold Temperature	150 to 200 °F	66 to 93 °C
Back Pressure	< 100 psi	< 0.689 MPa

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Notes

¹ 0.20 in/min (5.0 mm/min)

² 0.079 in/min (2.0 mm/min)

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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