

Technical Data Sheet

# Gapex Ht RNP38MU06NA

Polyamide + PP  
 LyondellBasell Industries  
 Engineering Plastics

General	
Filler / Reinforcement	• Glass Fiber, 38% Filler by Weight
Features	• High Heat Resistance
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.36	1.36 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/5.0 Kg)	30 g/10 min	30 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	24000 psi	165 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	5.0 %	5.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	1.34E+6 psi	9270 MPa	
Tangent : 73°F (23°C)	1.35E+6 psi	9280 MPa	
Flexural Strength (Yield, 73°F (23°C))	36400 psi	251 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	2.8 ft·lb/in	150 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	22 ft·lb/in	1200 J/m	ASTM D4812
Gardner Impact	8.00 in·lb	0.904 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	480 °F	249 °C	ASTM D648

Additional Information
Filler Content, ASTM D2584: 39.5%

**Notes**

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