

Technical Data Sheet

# Gapex Ht RNP43MU(xx)NA

Polyamide + PP  
 LyondellBasell Industries  
 Engineering Plastics

General	
Filler / Reinforcement	• Glass Fabric, 43% Filler by Weight
Features	• High Heat Resistance
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.34	1.34 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	5.5 g/10 min	5.5 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	18800 psi	130 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	25 %	25 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	1.28E+6 psi	8850 MPa	
Tangent : 73°F (23°C)	1.30E+6 psi	8940 MPa	
Flexural Strength (73°F (23°C))	35300 psi	243 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	3.3 ft·lb/in	180 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	25 ft·lb/in	1300 J/m	ASTM D4812

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	485 °F	252 °C	ASTM D648

**Additional Information**  
 The value listed as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812.

**Notes**

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