

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 ³	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			ASTM D648
264 Psi (1.8 Mpa), Unannealed	485 °F	252 °C	

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.