

Technical Data Sheet

Gapex Ht RNP23MU02BK

Polyamide + PP
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Glass Fabric, 23% 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	1.21	1.21 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	25 g/10 min	25 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	16500 psi	114 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)	795000 psi	5480 MPa	
Tangent : 73°F (23°C)	810000 psi	5580 MPa	
Flexural Strength (73°F (23°C))	23500 psi	162 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
Unnotched Izod Impact (73°F (23°C))	16 ft·lb/in	830 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	5.00 in·lb	0.565 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	485 °F	252 °C	
264 Psi (1.8 Mpa), Unannealed	465 °F	241 °C	

Notes

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