Technical Data Sheet

Gapex Ht RNP23MU01BK

Polyamide + PP
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Glass Fabric, 24% Filler by Weight
Features	• High Heat Resistance
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.21 g/cm³	1.21 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	23 g/10 min	23 g/10 min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Stress (Yield, 73°f (23°c))	16500 psi	114 MPa	ISO 527-2
Tensile Strain (Break, 73°f (23°c))	5.0 %	5.0 %	ISO 527-2
Flexural Modulus (73°f (23°c))	741000 psi	5110 MPa	ISO 178
Flexural Stress (73°f (23°c))	22500 psi	155 MPa	ISO 178
Shear Modulus	143000 psi	987 MPa	ASTM D732
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact Strength			ISO 180
-40°f (-40°c)	3.9 ft·lb/in²	8.1 kJ/m²	
73°f (23°c)	4.6 ft·lb/in²	9.6 kJ/m²	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	493 °F	256 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	457 °F	236 °C	ISO 75-2/A

Additional Information

The values shown for Molding Shrinkage were tested in accordance with ISO 2577.
The value shown for Shear Modulus was tested in accordance with ASTM D4065.
Flammability, ISO 3795: 31 mm/min

Notes

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