

Technical Data Sheet

Gapex Ht RNP43MU04AL

Polyamide + PP
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Glass Fiber, 43% Filler by Weight
Features	• High Heat Resistance
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.38	1.38 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/5.0 Kg)	8.4 g/10 min	8.4 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	20700 psi	143 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	7.5 %	7.5 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	137000 psi	945 MPa	
Tangent : 73°F (23°C)	143000 psi	986 MPa	
Flexural Strength (Yield, 73°F (23°C))	29500 psi	203 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	2.0 ft·lb/in	110 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	13 ft·lb/in	710 J/m	ASTM D4812
Gardner Impact	4.60 in·lb	0.520 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	495 °F	257 °C	
264 Psi (1.8 Mpa), Unannealed	467 °F	242 °C	

Additional Information
Filler Content, ASTM D2584: 42.6%

Notes

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