

Technical Data Sheet

Gapex Ht RNP33LB01BK

Polyamide + PP
LyondellBasell Industries
Engineering Plastics

Product Description

High temperature Nylon/Polypropylene alloy.

General

Filler / Reinforcement	• Glass Fiber, 34% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized
Appearance	• Black
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.28	1.28 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	18900 psi	130 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	4.0 %	4.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	1.04E+6 psi	7180 MPa	
Tangent : 73°F (23°C)	1.07E+6 psi	7340 MPa	
Flexural Strength (73°F (23°C))	27000 psi	186 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))	15 ft·lb/in	820 J/m	ASTM D4812
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	112	112	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	410 °F	210 °C	
264 Psi (1.8 Mpa), Unannealed	380 °F	193 °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.