

Technical Data Sheet

Gapex Ht RNP23LB03BK

Polyamide + PP
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 23% Filler by Weight		
Features	• High Heat Resistance		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.22	1.22 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/5.0 Kg)	43 g/10 min	43 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	17000 psi	117 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)	740000 psi	5100 MPa	
Tangent : 73°F (23°C)	746000 psi	5140 MPa	
Flexural Strength (Yield, 73°F (23°C))	2300 psi	15.9 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	2.1 ft·lb/in	110 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	20 ft·lb/in	1100 J/m	ASTM D4812
Gardner Impact	6.00 in·lb	0.678 J	ASTM D5420
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed	375 °F	191 °C	
Additional Information			
Filler Content, ASTM D2584: 23%			

Notes

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