

Technical Data Sheet



Gapex HPP30GR23BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active		
Availability	• Latin America	• North America	
Filler / Reinforcement	• Glass Fiber\Mica, 30% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Chemically Coupled	• Heat Stabilized	• Homopolymer
Appearance	• Black		
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.14 g/cm ³	1.14 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5 g/10 min	5.5 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, 73°F (23°C))	7960 psi	54.9 MPa	ISO 527-2
Flexural Modulus - Tangent	609000 psi	4200 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180/1A
-40°F (-40°C)	1.8 ft·lb/in ²	3.8 kJ/m ²	
73°F (23°C)	2.4 ft·lb/in ²	5.1 kJ/m ²	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	313 °F	156 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	279 °F	137 °C	ISO 75-2/A

Additional Information

Filler Content, ISO 3451/1: 30.2%
Tensile Change, ISO 188, 1000 hr, 120°C: +16%
Izod Change, ISO 188, 1000 hr, 120°C: +7%

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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