

Technical Data Sheet



Gapex HPP30GR05BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General	
Material Status	• Commercial: Active
Availability	• Latin America • North America
Additive	• Heat Stabilizer
Features	• Chemically Coupled • Heat Stabilized
Automotive Specifications	• ASTM D4000 PP0100 R30 GA113 KY053 PA040 SA040 UC037 YD153 • FORD WSB-M4D732-A4
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)	5.3 g/10 min	5.3 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, 73°F (23°C))	7930 psi	54.7 MPa	ISO 527-2
Flexural Modulus	595000 psi	4100 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180
-40°F (-40°C)	1.9 ft·lb/in ²	3.9 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	315 °F	157 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	280 °F	138 °C	ISO 75-2/A

Additional Information
Tensile/Izod Change, 1,000 hrs @ 40°C, ISO 188: +16/+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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Page: 1 of 2
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