

Technical Data Sheet

**Gapex HPP35GS01BK**

Polypropylene
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active	
Availability	• Latin America	• North America
Additive	• Heat Stabilizer	
Features	• Chemically Coupled	• Heat Stabilized
Uses	• Automotive Exterior Parts	
Automotive Specifications	• FORD WSB-M4D640-A	
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.16 g/cm ³	1.16 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.6 g/10 min	3.6 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, 73°F (23°C))	6250 psi	43.1 MPa	ISO 527-2
Flexural Modulus - Tangent	537000 psi	3700 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180
-40°F (-40°C)	2.2 ft·lb/in ²	4.7 kJ/m ²	
73°F (23°C)	3.7 ft·lb/in ²	7.8 kJ/m ²	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	320 °F	160 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	266 °F	130 °C	ISO 75-2/A

Additional Information

Tensile/Izod Change, 1,000 hrs @ 140°C, ISO 188: +8/-3

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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