

Technical Data Sheet



Gapex HPP40GR09BK

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 PP0110 R40 A23150 AA002 GA125 SA014	• ASTM D5857 PP5540 R40 A35290 Y1125	• CHRYSLER MS-DB-500 CPN3758 Color: Black
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.26	1.26 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.9 g/10 min	3.9 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	7270 psi	50.1 MPa	ASTM D638
Flexural Modulus - Tangent	624000 psi	4300 MPa	ASTM D790
Flexural Strength	12300 psi	85.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.80 ft·lb/in	43 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	307 °F	153 °C	
264 psi (1.8 MPa), Unannealed	270 °F	132 °C	

Additional Information

Oxidative Stability, 150°C, ASTM D3012: Pass

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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