

Technical Data Sheet



Gapex HPP40GR28BK

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 D5857 PP554 R40	• CHRYSLER MS-DB-500 CPN3307 Color: Black	• VALEO SYLVANIA 61A-1815-0036 Rev. B
Appearance	• Black		
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.23	1.23 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12 g/10 min	12 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	7720 psi	53.2 MPa	ASTM D638
Flexural Modulus - Secant ¹	871000 psi	6010 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.90 ft·lb/in	48 J/m	ASTM D256
Gardner Impact	4.16 in·lb	0.470 J	ASTM D3029
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	313 °F	156 °C	
264 psi (1.8 MPa), Unannealed	295 °F	146 °C	

Additional Information			
Tensile Retention, 240 hrs @ 150°C, ASTM D573: 60.8 hrs.			

Notes

¹ 0.051 in/min (1.3 mm/min)

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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