

Technical Data Sheet

# Gapex HPP40GR28BK

Polypropylene Homopolymer  
LyondellBasell Industries  
Engineering Plastics

General			
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 <sup>3</sup>	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 <sup>1</sup>	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**  
<sup>1</sup> 0.051 in/min (1.3 mm/min)

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