

Technical Data Sheet



Gapex HPP30GR20BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active		
Availability	• Latin America	• North America	
Filler / Reinforcement	• Glass Fiber/Mica, 31% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Chemically Coupled	• Heat Stabilized	
Uses	• Automotive Applications		
Automotive Specifications	• ASTM D5857 PP5540 R30 G94370 KX053 Z01	• CHRYSLER MS-DB-500 CPN4518 Color: Black	• VISTEON VAM-PP000103 Application 002
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.15 g/cm ³	1.15 g/cm ³	ISO 1183/A
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)	7990 psi	55.1 MPa	ISO 527-2
Flexural Modulus - Tangent	638000 psi	4400 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180/1A
-40°F (-40°C)	1.8 ft·lb/in ²	3.7 kJ/m ²	
73°F (23°C)	2.5 ft·lb/in ²	5.2 kJ/m ²	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	311 °F	155 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	277 °F	136 °C	ISO 75-2/A
Aging	Nominal Value (English)	Nominal Value (SI)	Test Method
Change in Tensile Stress			ISO 1817
302°F (150°C), 1000 hr	5.0 %	5.0 %	

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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