

Technical Data Sheet

Gapex HPP30GR20BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Glass\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.