

Gapex HPP30GR23BK

Polypropylene Homopolymer

LyondellBasell Industries

Engineering Plastics

General			
Filler / Reinforcement	• Glass\Mica, 30% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Chemically Coupled	• Heat Stabilized	• Homopolymer
Appearance	• Black		
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.14 g/cm ³	1.14 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	5.5 g/10 min	5.5 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, 73°F (23°C))	7960 psi	54.9 MPa	ISO 527-2
Flexural Modulus - Tangent	609000 psi	4200 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	3.8 kJ/m ²	
73°F (23°C)	2.4 ft·lb/in ²	5.1 kJ/m ²	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	313 °F	156 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	279 °F	137 °C	ISO 75-2/A

Additional Information			
Filler Content, ISO 3451/1: 30.2%			
Tensile Change, ISO 188, 1000 hr, 120°C: +16%			
Izod Change, ISO 188, 1000 hr, 120°C: +7%			

Notes

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

