

Technical Data Sheet

# Gapex APP40GR61HB

Polypropylene Homopolymer  
 LyondellBasell Industries  
 Engineering Plastics

General	
Filler / Reinforcement	• Glass\Mineral, 40% Filler by Weight
Features	• Chemically Coupled • Homopolymer
Appearance	• Black
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.24	1.24 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	4.0 g/10 min	4.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	6500 psi	44.8 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	4.0 %	4.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	575000 psi	3960 MPa	
Tangent : 73°F (23°C)	590000 psi	4070 MPa	
Flexural Strength (Yield, 73°F (23°C))	11000 psi	75.8 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.4 ft·lb/in	75 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	5.8 ft·lb/in	310 J/m	ASTM D4812
Gardner Impact	5.00 in·lb	0.565 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	315 °F	157 °C	
264 Psi (1.8 Mpa), Unannealed	280 °F	138 °C	

Additional Information
Filler Content, ASTM D2584: 40%

**Notes**

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