

Technical Data Sheet

# Gapex APP30GP04BK

Polypropylene Homopolymer  
 LyondellBasell Industries  
 Engineering Plastics

**General**

Filler / Reinforcement	• Glass\Mineral, 30% Filler by Weight
Forms	• Pellets

**Physical**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.11	1.11 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	16 g/10 min	16 g/10 min	ASTM D1238

**Mechanical**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	7200 psi	49.6 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)	475000 psi	3280 MPa	
Tangent : 73°F (23°C)	508000 psi	3500 MPa	
Flexural Strength (73°F (23°C))	10100 psi	69.6 MPa	ASTM D790

**Impact**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.80 ft·lb/in	43 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	4.0 ft·lb/in	210 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	2.00 in·lb	0.226 J	ASTM D5420

**Thermal**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	311 °F	155 °C	
264 Psi (1.8 Mpa), Unannealed	276 °F	136 °C	

**Additional Information**

The value listed as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812.  
 Filler Content, ASTM D2584: 27.0%  
 Testing and measurements were performed at 73 +/-3°F and 50 +/-5% relative humidity unless otherwise noted.

**Notes**

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