

Technical Data Sheet

Gapex FPP20GQ12HB-BK

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Glass\Mineral, 20% Filler by Weight
Additive	• Impact Modifier
Features	• Chemically Coupled • Impact Modified
Appearance	• Black
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	9.5 g/10 min	9.5 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	4500 psi	31.0 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)	258000 psi	1780 MPa	
Tangent : 73°F (23°C)	275000 psi	1900 MPa	
Flexural Strength (73°F (23°C))	8900 psi	61.4 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.5 ft·lb/in	80 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	5.5 ft·lb/in	290 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	18.5 in·lb	2.09 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	260 °F	127 °C	
264 Psi (1.8 Mpa), Unannealed	205 °F	96.1 °C	

Additional Information
 The value listed as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812.
 Filler Content, ASTM D2584: 19.5%
 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.