

Technical Data Sheet

Gapex FPP30GQ22HB BLACK

Polypropylene
LyondellBasell Industries
Engineering Plastics

General		
Filler / Reinforcement	• Glass\Mineral, 30% 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	1.14	1.14 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	8.5 g/10 min	8.5 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	3800 psi	26.2 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	8.0 %	8.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	273000 psi	1880 MPa	
Tangent : 73°F (23°C)	300000 psi	2070 MPa	
Flexural Strength (73°F (23°C))	6300 psi	43.4 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.9 ft·lb/in	100 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	5.0 ft·lb/in	270 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	40.0 in·lb	4.52 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	280 °F	138 °C	
264 Psi (1.8 Mpa), Unannealed	185 °F	85.0 °C	

Additional Information			
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.