

Technical Data Sheet

Gapex FPP30GQ10HB

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Glass\Mineral, 30% Filler by Weight
Additive	• Impact Modifier
Features	• Chemically Coupled • Impact Modified
Appearance	• Tan
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.16	1.16 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	4800 psi	33.1 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)	361000 psi	2490 MPa	
Tangent : 73°F (23°C)	385000 psi	2650 MPa	
Flexural Strength (Yield, 73°F (23°C))	7900 psi	54.5 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))	3.8 ft·lb/in	200 J/m	ASTM D4812
Gardner Impact	3.50 in·lb	0.395 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	288 °F	142 °C	
264 Psi (1.8 Mpa), Unannealed	214 °F	101 °C	

Additional Information
Filler Content, ASTM D2584: 31.5%

Notes

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