

Gapex APP30GP10HB

Polypropylene Homopolymer

LyondellBasell Industries

Engineering Plastics

General	
Filler / Reinforcement	• Glass\Mineral, 28% Filler by Weight
Features	• Homopolymer
Appearance	• Grey
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.10	1.10 g/cm ³	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 (Yield, 73°F (23°C))	6400 psi	44.1 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	5.0 %	5.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	418000 psi	2880 MPa	
Tangent : 73°F (23°C)	440000 psi	3030 MPa	
Flexural Strength (Yield, 73°F (23°C))	9200 psi	63.4 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))	7.0 ft·lb/in	370 J/m	ASTM D4812
Gardner Impact	18.0 in·lb	2.03 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	310 °F	154 °C	
264 Psi (1.8 Mpa), Unannealed	270 °F	132 °C	

Additional Information	
Filler Content, ASTM D2584: 28%	

Notes

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

