

Technical Data Sheet

Gapex APP40GR17HB-NA

Polypropylene Homopolymer

LyondellBasell Industries

Engineering Plastics

General		
Filler / Reinforcement	• Glass\Mineral, 40% Filler by Weight	
Additive	• Heat Stabilizer	
Features	• Chemically Coupled	• Heat Stabilized
Appearance	• Natural Color	
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.23	1.23 g/cm³	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))	9200 psi	63.4 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	3.0 %	3.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	704000 psi	4850 MPa	
Tangent : 73°F (23°C)	770000 psi	5310 MPa	
Flexural Strength (73°F (23°C))	13900 psi	95.8 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.0 ft·lb/in	53 J/m	ASTM D256
Unnotched Izod Impact	5.5 ft·lb/in	290 J/m	ASTM D4812
Gardner Impact	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	310 °F	154 °C	
264 Psi (1.8 Mpa), Unannealed	290 °F	143 °C	

Additional Information

The value listed as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812.

Filler Content, ASTM D2584: 40.0%

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.