

Technical Data Sheet

# Gapex APP40GS15HB-WH

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

General	
Filler / Reinforcement	• Glass\Mineral, 40% Filler by Weight
Additive	• Impact Modifier
Features	• Impact Modified
Appearance	• White
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.24	1.24 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	9.0 g/10 min	9.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	5000 psi	34.5 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)	424000 psi	2920 MPa	
Tangent : 73°F (23°C)	505000 psi	3480 MPa	
Flexural Strength (73°F (23°C))	7000 psi	48.3 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.2 ft·lb/in	64 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	5.6 ft·lb/in	300 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	12.0 in·lb	1.36 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	325 °F	163 °C	
264 Psi (1.8 Mpa), Unannealed	245 °F	118 °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.