

Technical Data Sheet

Gapex FPP40GQ20WH

Polypropylene
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Glass\Mineral, 43% Filler by Weight		
Additive	• Heat Stabilizer	• Impact Modifier	
Features	• Chemically Coupled	• Heat Stabilized	• Impact Modified
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.27	1.27 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))	5600 psi	38.6 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)	448000 psi	3090 MPa	
Tangent : 73°F (23°C)	481000 psi	3320 MPa	
Flexural Strength (73°F (23°C))	8900 psi	61.4 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.6 ft·lb/in	85 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	6.5 ft·lb/in	350 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	6.00 in·lb	0.678 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	306 °F	152 °C	
264 Psi (1.8 Mpa), Unannealed	265 °F	129 °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.