

Technical Data Sheet

Ferrex GPP40CC47HB

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

General			
Filler / Reinforcement	• Calcium Carbonate, 40% Filler by Weight		
Features	• High Gloss	• Homopolymer	
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.26	1.26 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	3400 psi	23.4 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	31 %	31 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	330000 psi	2280 MPa	
Tangent : 73°F (23°C)	430000 psi	2960 MPa	
Flexural Strength (Yield, 73°F (23°C))	6300 psi	43.4 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))	18 ft·lb/in	970 J/m	ASTM D4812
Gardner Impact	210 in·lb	23.7 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	232 °F	111 °C	
264 Psi (1.8 Mpa), Unannealed	155 °F	68.3 °C	

Additional Information			
Filler Content, ASTM D2584: 41%			

Notes

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