

Technical Data Sheet

Ferrex GPP20CC56HB BLUE

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 21% Filler by Weight
Features	• High Gloss • Homopolymer
Appearance	• Blue
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04 g/cm ³	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))	4400 psi	30.3 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	25 %	25 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	315000 psi	2170 MPa	
Tangent : 73°F (23°C)	340000 psi	2340 MPa	
Flexural Strength (73°F (23°C))	7400 psi	51.0 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.0 ft·lb/in	53 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	19 ft·lb/in	990 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	35.0 in·lb	3.95 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	245 °F	118 °C	
264 Psi (1.8 Mpa), Unannealed	185 °F	85.0 °C	

Notes

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