

Technical Data Sheet

# Ferrex GPP20CC70HB BLUE

Polypropylene Homopolymer  
 LyondellBasell Industries  
 Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 22% 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	1.06	1.06 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))	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)	299000 psi	2060 MPa	
Tangent : 73°F (23°C)	340000 psi	2340 MPa	
Flexural Strength (73°F (23°C))	7300 psi	50.3 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.90 ft·lb/in	48 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	20 ft·lb/in	1000 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	145 °F	62.8 °C	

**Notes**

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