

Technical Data Sheet

Ferrex GPP20CC66HB

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight
Features	• High Gloss • Homopolymer
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.09	1.09 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))	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)	290000 psi	2000 MPa	
Tangent : 73°F (23°C)	321000 psi	2210 MPa	
Flexural Strength (Yield, 73°F (23°C))	7100 psi	49.0 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))	17 ft·lb/in	910 J/m	ASTM D4812
Gardner Impact	85.0 in·lb	9.60 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	240 °F	116 °C	
264 Psi (1.8 Mpa), Unannealed	145 °F	62.8 °C	

Additional Information
Filler Content, ASTM D2584: 21.5%

Notes

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