

Technical Data Sheet

Ferrex GPP20CF15HB

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	1.06	1.06 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	23 g/10 min	23 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	4250 psi	29.3 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	25 %	25 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	243000 psi	1670 MPa	
Tangent : 73°F (23°C)	305000 psi	2110 MPa	
Flexural Strength (Yield, 73°F (23°C))	6800 psi	46.9 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.70 ft·lb/in	37 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	16 ft·lb/in	850 J/m	ASTM D4812
Gardner Impact	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	235 °F	113 °C	
264 Psi (1.8 Mpa), Unannealed	140 °F	60.0 °C	

Additional Information			
Filler Content, ASTM D2584: 20.5%			

Notes

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