

Technical Data Sheet

Ferrex GPP20CC61HB RED

Polypropylene Homopolymer

LyondellBasell Industries

Engineering Plastics

General		
Filler / Reinforcement	• Calcium Carbonate, 22% Filler by Weight	
Features	• High Gloss • Homopolymer	
Appearance	• Red	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.07	1.07 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	7.5 g/10 min	7.5 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	4300 psi	29.6 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	25 %	25 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	275000 psi	1900 MPa	
Tangent : 73°F (23°C)	300000 psi	2070 MPa	
Flexural Strength (73°F (23°C))	6900 psi	47.6 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))	17 ft·lb/in	880 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	40.0 in·lb	4.52 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	180 °F	82.2 °C	

Notes

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