

Technical Data Sheet

Ferrex GPP20CS61HB NATURAL

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 21% Filler by Weight
Additive	• Impact Modifier
Features	• High Gloss • Impact Modified
Appearance	• Natural Color
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)	9.6 g/10 min	9.6 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	3600 psi	24.8 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	70 %	70 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	220000 psi	1520 MPa	
Tangent : 73°F (23°C)	250000 psi	1720 MPa	
Flexural Strength (73°F (23°C))	5800 psi	40.0 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.9 ft·lb/in	100 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D4812
Gardner Impact (73°F (23°C))	260 in·lb	29.4 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	200 °F	93.3 °C	
264 Psi (1.8 Mpa), Unannealed	130 °F	54.4 °C	

Notes

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