

Technical Data Sheet

Ferrex GPP20CS82HB GRAY

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 22% Filler by Weight
Additive	• Impact Modifier
Features	• High Gloss • Impact Modified
Appearance	• Grey
Forms	• Pellets
Processing Method	• Injection Molding

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)	7.2 g/10 min	7.2 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	2300 psi	15.9 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	200 %	200 %	ASTM D638
Flexural Modulus - Tangent (73°F (23°C))	110000 psi	758 MPa	ASTM D790
Flexural Strength (73°F (23°C))	2600 psi	17.9 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
Gardner Impact			ASTM D5420
-40°F (-40°C)	320 in·lb	36.2 J	
73°F (23°C)	270 in·lb	30.5 J	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	202 °F	94.4 °C	
264 Psi (1.8 Mpa), Unannealed	124 °F	51.1 °C	

Notes

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