

Technical Data Sheet

**Ferrex GPP20CS82HB GRAY**

Polypropylene
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active
Availability	• Latin America • North America
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.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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