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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/cm³	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.