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Technical Data Sheet

Ferrex GPP20CN42BK

Polypropylene
LyondellBasell Industries
Engineering Plastics

General		
Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight	
Additive	• Impact Modifier	
Features	• High Gloss	• Impact Modified
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	22 g/10 min	22 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield, 73°f (23°c))	3600 psi	24.8 MPa	ASTM D638
Tensile Elongation (Break, 73°f (23°c))	50 %	50 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°f (23°c)	231000 psi	1590 MPa	
Tangent : 73°f (23°c)	260000 psi	1790 MPa	
Flexural Strength (Yield, 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))	1.0 ft·lb/in	53 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	19 ft·lb/in	990 J/m	ASTM D4812
Gardner Impact	225 in·lb	25.4 J	ASTM D5420
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	230 °F	110 °C	
264 Psi (1.8 Mpa), Unannealed	170 °F	76.7 °C	

Additional Information
Filler Content, ASTM D2584: 20%

Notes

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