

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/cm ³	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.