

Technical Data Sheet

Ferrex GPP20CN20WH

Polypropylene
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight		
Features	• High Gloss		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.07	1.07 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	26 g/10 min	26 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	2500 psi	17.2 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	250 %	250 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	142000 psi	982 MPa	
Tangent : 73°F (23°C)	164000 psi	1130 MPa	
Flexural Strength (Yield, 73°F (23°C))	3500 psi	24.1 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	2.1 ft·lb/in	110 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	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	185 °F	85.0 °C	
264 Psi (1.8 Mpa), Unannealed	120 °F	48.9 °C	
Additional Information			
Filler Content, ASTM D2584: 22.5%			

Notes

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