

Technical Data Sheet

Ferrex GPP20CN46UL WHITE

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

General			
Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight		
Additive	• Impact Modifier		
Features	• High Gloss	• Homopolymer	• Impact Modified
Appearance	• White		
Forms	• Pellets		
Processing Method	• Injection Molding		

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)	24 g/10 min	24 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	3700 psi	25.5 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	60 %	60 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	216000 psi	1490 MPa	
Tangent : 73°F (23°C)	225000 psi	1550 MPa	
Flexural Strength (73°F (23°C))	5500 psi	37.9 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.2 ft·lb/in	64 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	25 ft·lb/in	1400 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	260 in·lb	29.4 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	205 °F	96.1 °C	
264 Psi (1.8 Mpa), Unannealed	132 °F	55.6 °C	

Notes

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