

Technical Data Sheet

# Ferrex GPP30CS81HB NATURAL

Polypropylene Copolymer  
 LyondellBasell Industries  
 Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 31% Filler by Weight
Features	• Copolymer • High Gloss
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.15	1.15 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	2950 psi	20.3 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	100 %	100 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	236000 psi	1630 MPa	
Tangent : 73°F (23°C)	258000 psi	1780 MPa	
Flexural Strength (73°F (23°C))	5200 psi	35.9 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	2.0 ft·lb/in	110 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D4812
Gardner Impact (73°F (23°C))	247 in·lb	27.9 J	ASTM D5420

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	130 °F	54.4 °C	

**Notes**

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