

Technical Data Sheet

Ferrex GPP30CC39HB

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 30% Filler by Weight
Features	• High Gloss • Homopolymer
Appearance	• White
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.15	1.15 g/cm ³	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 (Yield, 73°F (23°C))	3900 psi	26.9 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	25 %	25 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	316000 psi	2180 MPa	
Tangent : 73°F (23°C)	366000 psi	2520 MPa	
Flexural Strength (Yield, 73°F (23°C))	6700 psi	46.2 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))	24 ft·lb/in	1300 J/m	ASTM D4812
Gardner Impact	148 in·lb	16.7 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	235 °F	113 °C	
264 Psi (1.8 Mpa), Unannealed	150 °F	65.6 °C	

Additional Information
Filler Content, ASTM D2584: 31%

Notes

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