

Technical Data Sheet

Ferrex GPP30CG51NA

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 30% Filler by Weight
Features	• High Gloss
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.13	1.13 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 (73°F (23°C))	3800 psi	26.2 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	35 %	35 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	281000 psi	1940 MPa	
Tangent : 73°F (23°C)	300000 psi	2070 MPa	
Flexural Strength (73°F (23°C))	6400 psi	44.1 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.60 ft·lb/in	32 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	14 ft·lb/in	760 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	100 in·lb	11.3 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	225 °F	107 °C	
264 Psi (1.8 Mpa), Unannealed	145 °F	62.8 °C	

Notes

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