

Technical Data Sheet

Ferrex GPP30CS74UL BLUE

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

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

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 (73°F (23°C))	2650 psi	18.3 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	65 %	65 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	221000 psi	1520 MPa	
Tangent : 73°F (23°C)	253000 psi	1740 MPa	
Flexural Strength (73°F (23°C))	4700 psi	32.4 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	3.2 ft-lb/in	170 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D4812
Gardner Impact (73°F (23°C))	277 in-lb	31.3 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	210 °F	98.9 °C	
264 Psi (1.8 Mpa), Unannealed	125 °F	51.7 °C	

Notes

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