

Technical Data Sheet

Ferrex GPP35CG41UL WHITE

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 36% Filler by Weight
Features	• High Gloss • Homopolymer
Appearance	• White
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.20	1.20 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	3600 psi	24.8 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	30 %	30 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	298000 psi	2060 MPa	
Tangent : 73°F (23°C)	345000 psi	2380 MPa	
Flexural Strength (73°F (23°C))	6100 psi	42.1 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.80 ft·lb/in	43 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	10 ft·lb/in	540 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	94.0 in·lb	10.6 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	232 °F	111 °C	
264 Psi (1.8 Mpa), Unannealed	144 °F	62.2 °C	

Notes

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