

Technical Data Sheet

Ferrex GPP35CN32UL RED

Polypropylene
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Calcium Carbonate, 35% Filler by Weight		
Additive	• Heat Stabilizer	• Impact Modifier	
Features	• Heat Stabilized	• High Gloss	• Impact Modified
Appearance	• Red		
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)	21 g/10 min	21 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)	303000 psi	2090 MPa	
Tangent : 73°F (23°C)	368000 psi	2540 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))	1.0 ft·lb/in	53 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	12 ft·lb/in	620 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	165 in·lb	18.6 J	ASTM D5420

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