

Technical Data Sheet

Ferrex GPP40CC90UL

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General		
Filler / Reinforcement	• Calcium Carbonate, 40% Filler by Weight	
Features	• High Gloss	• Homopolymer
Appearance	• Natural Color	
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.24	1.24 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	3600 psi	24.8 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	35 %	35 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	305000 psi	2100 MPa	
Tangent : 73°F (23°C)	350000 psi	2410 MPa	
Flexural Strength (Yield, 73°F (23°C))	6300 psi	43.4 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.1 ft·lb/in	59 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	21 ft·lb/in	1100 J/m	ASTM D4812
Gardner Impact	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	240 °F	116 °C	
264 Psi (1.8 Mpa), Unannealed	150 °F	65.6 °C	

Additional Information			
Filler Content, ASTM D2584: 40%			

Notes

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