

Technical Data Sheet

Ferrex GPP40CC92WH

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

General			
Filler / Reinforcement	• Calcium Carbonate, 40% Filler by Weight		
Features	• High Gloss	• Homopolymer	
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)	8.5 g/10 min	8.5 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))	20 %	20 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	309000 psi	2130 MPa	
Tangent : 73°F (23°C)	380000 psi	2620 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))	1.0 ft·lb/in	53 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	25 ft·lb/in	1300 J/m	ASTM D4812
Gardner Impact	240 in·lb	27.1 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	205 °F	96.1 °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.