

Technical Data Sheet

Ferrex GPP40CC85WH

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)	14 g/10 min	14 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	3500 psi	24.1 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	15 %	15 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	299000 psi	2060 MPa	
Tangent : 73°F (23°C)	352000 psi	2430 MPa	
Flexural Strength (Yield, 73°F (23°C))	6200 psi	42.7 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))	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	205 °F	96.1 °C	
264 Psi (1.8 Mpa), Unannealed	155 °F	68.3 °C	

Additional Information			
Filler Content, ASTM D2584: 41%			

Notes

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