

Technical Data Sheet

Ferrex GPP20CS87HB

Polypropylene Copolymer
 LyondellBasell Industries
 Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight
Features	• Copolymer
Appearance	• Red
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.06	1.06 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	7.0 g/10 min	7.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	2200 psi	15.2 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	150 %	150 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	123000 psi	848 MPa	
Tangent : 73°F (23°C)	135000 psi	931 MPa	
Flexural Strength (Yield, 73°F (23°C))	2900 psi	20.0 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	13 ft-lb/in	690 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D4812
Gardner Impact	275 in-lb	31.1 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	200 °F	93.3 °C	
264 Psi (1.8 Mpa), Unannealed	125 °F	51.7 °C	

Additional Information
Filler Content, ASTM D2584: 21%

Notes

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