

Technical Data Sheet

Ferrex GPP20CS75HB

Polypropylene
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight		
Additive	• Impact Modifier		
Features	• High Gloss	• Impact Modified	
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	9.5 g/10 min	9.5 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	3700 psi	25.5 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	65 %	65 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	203000 psi	1400 MPa	
Tangent : 73°F (23°C)	238000 psi	1640 MPa	
Flexural Strength (Yield, 73°F (23°C))	5600 psi	38.6 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.8 ft·lb/in	96 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D4812
Gardner Impact	290 in·lb	32.8 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	130 °F	54.4 °C	

Additional Information			
Filler Content, ASTM D2584: 200%			

Notes

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