

Technical Data Sheet

Ferrex GPP35CS68UL BLACK

Polypropylene
LyondellBasell Industries
Engineering Plastics

General		
Filler / Reinforcement	• Calcium Carbonate, 36% Filler by Weight	
Additive	• Impact Modifier	
Features	• High Gloss	• Impact Modified
Automotive Specifications	• 3M 11-0018-3865-2	
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.19	1.19 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	7.5 g/10 min	7.5 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	2800 psi	19.3 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	80 %	80 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	214000 psi	1480 MPa	
Tangent : 73°F (23°C)	222000 psi	1530 MPa	
Flexural Strength (73°F (23°C))	4700 psi	32.4 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	5.0 ft·lb/in	270 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	24 ft·lb/in	1300 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	280 in·lb	31.6 J	ASTM D5420
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	195 °F	90.6 °C	
264 Psi (1.8 Mpa), Unannealed	130 °F	54.4 °C	

Notes

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