Technical Data Sheet

Ferro Pp NPP00GD01HB BLACK

Polypropylene
LyondellBasell Industries
Engineering Plastics

General		
Filler / Reinforcement	• Filler, 0.50% Filler by Weight	
Additive	• Impact Modifier	
Features	• Impact Modified	
Uses	• Automotive Applications	
Automotive Specifications	• ASTM D5857 PP0330 B99999 KX018 UM007 PN090 YI043	• CHRYSLER MS-DB-500 CPN3470 Color: Black
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

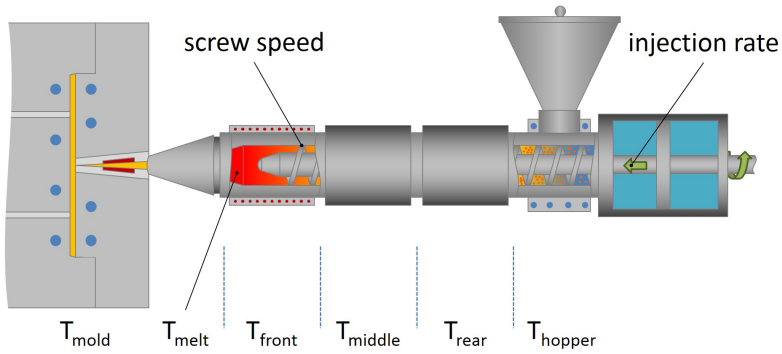
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.910	0.908 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	7.5 g/10 min	7.5 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (73°f (23°c))	4200 psi	29.0 MPa	ASTM D638
Tensile Elongation (Break, 73°f (23°c))	150 %	150 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°f (23°c)	153000 psi	1050 MPa	
Tangent : 73°f (23°c)	168000 psi	1160 MPa	
Flexural Strength (73°f (23°c))	5100 psi	35.2 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	2.5 ft·lb/in	130 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	25 ft·lb/in	1300 J/m	ASTM D4812
Gardner Impact (73°f (23°c))	285 in·lb	32.2 J	ASTM D3029
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	120 °F	48.9 °C	

Additional Information
Filler Content, ASTM D2584: 0.5%

Technical Data Sheet

Ferro Pp NPP00GD01HB BLACK

Polypropylene
LyondellBasell Industries
Engineering Plastics



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

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