

Technical Data Sheet

# Ferro Pp NPP00GW01BK

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

General			
Features	• Good Impact Resistance		
Automotive Specifications	• FORD WSB-M4D875-A	• FORD WSB-M4D875-A2	
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.920	0.918 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3500 psi	24.1 MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	9.0 %	9.0 %	
Break	100 %	100 %	
Flexural Modulus	140000 psi	965 MPa	ASTM D790
Flexural Strength (Yield)	4000 psi	27.6 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
-40°F (-40°C)	1.0 ft·lb/in	53 J/m	
73°F (23°C)	2.2 ft·lb/in	120 J/m	
Gardner Impact (73°F (23°C))	240 in·lb	27.1 J	ASTM D3029

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	63	63	ASTM D2240

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	185 °F	85.0 °C	
264 Psi (1.8 Mpa), Unannealed	130 °F	54.4 °C	

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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.