

Technical Data Sheet

Ferro Pp NPP00GD01BK

Polypropylene
LyondellBasell Industries
Engineering Plastics

General			
Features	• Good Impact Resistance		
Automotive Specifications	• CHRYSLER MS-DB-543 Type B		
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 ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3800 psi	26.2 MPa	ASTM D638
Tensile Elongation (Break)	45 %	45 %	ASTM D638
Flexural Modulus	140000 psi	965 MPa	ASTM D790
Flexural Strength (Yield)	4500 psi	31.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.125 In (3.18 Mm)	1.9 ft·lb/in	99 J/m	
Unnotched Izod Impact			ASTM D4812
73°F (23°C), 0.125 In (3.18 Mm)	20 ft·lb/in	1100 J/m	
Gardner Impact			ASTM D3029
-40°F (-40°C)	25.0 in·lb	2.82 J	
73°F (23°C)	140 in·lb	15.8 J	
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	

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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.