

Technical Data Sheet

# Ferro Pp NPP00GE02BK

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

General	
Features	• Good Impact Resistance
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.905	0.903 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	6.0 g/10 min	6.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3300 psi	22.8 MPa	ASTM D638
Flexural Modulus	130000 psi	896 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 73°F (23°C), 0.125 In (3.18 Mm)	3.2 ft·lb/in	170 J/m	ASTM D256
Unnotched Izod Impact 73°F (23°C), 0.125 In (3.18 Mm)	25 ft·lb/in	1300 J/m	ASTM D4812
Gardner Impact	160 in·lb	18.1 J	ASTM D3029

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	65	65	ASTM D2240

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed	190 °F	87.8 °C	ASTM D648
264 Psi (1.8 Mpa), Unannealed	115 °F	46.1 °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.