

Technical Data Sheet

Ferro Pp NPP00GB07K

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Recycled Content	• Yes, 25%
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.910 g/cm ³	0.910 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	11 g/10 min	11 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, 73°F (23°C))	2970 psi	20.5 MPa	ISO 527-2
Tensile Strain (Break, 73°F (23°C))	300 %	300 %	ISO 527-2
Flexural Modulus (73°F (23°C))	125000 psi	860 MPa	ISO 178
Flexural Stress (73°F (23°C))	3520 psi	24.3 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180/1A
-40°F (-40°C)	1.3 ft·lb/in ²	2.7 kJ/m ²	
73°F (23°C)	4.9 ft·lb/in ²	10 kJ/m ²	

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	80	80	ASTM D785

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	174 °F	79.0 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	120 °F	49.0 °C	ISO 75-2/A

Additional Information	
Filler Content, ISO 3451:	1.5%
Flammability, ISO 3795:	15 mm/min
Mold Shrinkage, ISO 2557, Flow, 48 hrs, 23°C:	1.2%
Mold Shrinkage, ISO 2557, Across Flow, 48 hrs, 23°C:	1.4%

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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.