

Technical Data Sheet

Ferro Pp NPP99GB02AL

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Appearance	• Aluminum
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.910	0.908 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	14 g/10 min	14 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3300 psi	22.8 MPa	ASTM D638
Tensile Elongation (Break)	200 %	200 %	ASTM D638
Flexural Modulus	135000 psi	931 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))	2.3 ft-lb/in	120 J/m	ASTM D256
Gardner Impact (73°F (23°C))	260 in-lb	29.4 J	ASTM D3029

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	64	64	ASTM D2240

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	170 °F	76.7 °C	
264 Psi (1.8 Mpa), Unannealed	120 °F	48.9 °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.