

Technical Data Sheet

**Ferro Pp NPP00GX08BK**

Polyolefin
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active		
Availability	• Latin America	• North America	
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.900	0.898 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.8 g/10 min	7.8 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	3100 psi	21.4 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	300 %	300 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	112000 psi	772 MPa	
Tangent : 73°F (23°C)	118000 psi	814 MPa	
Flexural Strength (Yield, 73°F (23°C))	3500 psi	24.1 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	18 ft·lb/in	960 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	6.8 ft·lb/in	360 J/m	ASTM D4812
Instrumented Dart Impact (-22°F (-30°C))	254 in·lb	28.7 J	ASTM D3763
Gardner Impact	288 in·lb	32.5 J	ASTM D5420
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-Scale)	77	77	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	165 °F	73.9 °C	
264 psi (1.8 MPa), Unannealed	115 °F	46.1 °C	
CLTE			ASTM E831
Flow	5.9E-5 in/in/°F	1.1E-4 cm/cm/°C	
Transverse	7.9E-5 in/in/°F	1.4E-4 cm/cm/°C	

Additional Information

Filler Content, ASTM D2584: 0.6%
Shear Modulus, ASTM D4065, 23°C: 181 MPa
Flammability, ISO 3795: 15 mm/min

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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