

Technical Data Sheet

**Ferro Pe NPE00IA04NA**

Polyethylene
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active		
Availability	• Latin America	• North America	
Features	• High Impact Resistance		
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.880	0.878 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5 g/10 min	4.5 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	1650 psi	11.4 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	300 %	300 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	14700 psi	101 MPa	
Tangent : 73°F (23°C)	15500 psi	107 MPa	
Flexural Strength (Yield, 73°F (23°C))	800 psi	5.52 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D4812
Gardner Impact	> 320 in·lb	> 36.2 J	ASTM D5420
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	261 °F	127 °C	ASTM D1525

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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