

Technical Data Sheet

Ferro Pe NPE00IA04NA

Polyethylene
LyondellBasell Industries
Engineering Plastics

General			
Features	• High Impact Resistance		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.880	0.878 g/cm³	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.