

## 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/cm <sup>3</sup> | 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.

