Technical Data Sheet

Ferro Pe NPE00IA02NA

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)	6.5 g/10 min	6.5 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield, 73°f (23°c))	1600 psi	11.0 MPa	ASTM D638
Tensile Elongation (Break, 73°f (23°c))	360 %	360 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°f (23°c)	16000 psi	110 MPa	
Tangent : 73°f (23°c)	23400 psi	161 MPa	
Flexural Strength (Yield, 73°f (23°c))	4600 psi	31.7 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	275 °F	135 °C	ASTM D1525

Notes

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