**Technical Data Sheet**

# *Icorene* N2302

Linear Low Density Polyethylene
LyondellBasell Industries
Custom Powders

## Product Description

ICORENE® N2302 is a premium linear low density polyethylene powder offers a unique combination of excellent processability and outstanding product properties.

This grade is recommended for injection moulding masterbatch where high filler acceptance is required, combined with a good flow.

## General

| | | | |
|---|---|---|---|
| Additive | • Heat Stabilizer | | |
| Features | • Good Flow | • Good Processability | • Heat Stabilized |
| Uses | • Masterbatch | | |
| Agency Ratings | • EU Food Contact | • FDA Food Contact | |
| Forms | • Powder | | |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|---|---|---|
| Density | 0.926 g/cm³ | 0.926 g/cm³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°c/2.16 Kg) | 50 g/10 min | 50 g/10 min | ASTM D1238 |
| **Mechanical** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Tensile Strength (Yield) | 1740 psi | 12.0 MPa | ASTM D638 |
| Tensile Elongation (Break) | 120 % | 120 % | ASTM D638 |
| **Hardness** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Durometer Hardness (Shore D) | 55 | 55 | ASTM D2240 |
| **Thermal** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Vicat Softening Temperature | 190 °F | 88.0 °C | ASTM D1525 |
| Peak Melting Temperature | 253 °F | 123 °C | ASTM D3418 |

## Notes

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