

Technical Data Sheet

Icorene N2140

Low Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2140 is a low density polyethylene resin with an excellent fluidity.

This grade is used for compound and masterbatch applications.

General

| | | |
|----------------|-------------------|--------------------|
| Features | • Good Flow | |
| Uses | • Compounding | • Masterbatch |
| Agency Ratings | • EU Food Contact | • FDA Food Contact |
| Forms | • Powder | |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|-------------------------|-------------|
| Density | 0.919 g/cm ³ | 0.919 g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg) | 40 g/10 min | 40 g/10 min | ASTM D1238 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength (Yield) | 1600 psi | 11.0 MPa | ASTM D638 |
| Flexural Modulus | 17400 psi | 120 MPa | ASTM D790 |
| Hardness | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Durometer Hardness (Shore D) | 46 | 46 | ASTM D2240 |
| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Vicat Softening Temperature | 176 °F | 80.0 °C | ASTM D1525 |
| Peak Melting Temperature | 223 °F | 106 °C | ASTM D3418 |

Notes

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