

Technical Data Sheet

Icorene N2106

Low Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2106 is an easy flowing low density polyethylene grade with medium stiffness and good toughness.

This grade is suitable for use in masterbatch applications.

General

| | | | |
|-------------------|-------------------------|--------------------|------------------|
| Features | • Good Flow | • Good Stiffness | • Good Toughness |
| Uses | • Masterbatch | | |
| Agency Ratings | • EU Food Contact | • FDA Food Contact | |
| Forms | • Powder | | |
| Processing Method | • Compounding Extrusion | • Scatter Coating | |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|-------------------------|-------------|
| Density | 0.924 g/cm ³ | 0.924 g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg) | 22 g/10 min | 22 g/10 min | ASTM D1238 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Modulus | 29000 psi | 200 MPa | ASTM D638 |
| Tensile Elongation (Break) | 120 % | 120 % | ASTM D638 |
| Hardness | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Durometer Hardness (Shore D) | 44 | 44 | ASTM D2240 |
| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Vicat Softening Temperature | 192 °F | 89.0 °C | ASTM D1525 |
| Peak Melting Temperature | 226 °F | 108 °C | ASTM D3418 |

Notes

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