

## 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 <sup>3</sup> | 0.924 g/cm <sup>3</sup> | 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.