

## Technical Data Sheet

### *Icorene* N2112-1000 NAT

Low Density Polyethylene



#### Product Description

*Icorene* N2110 is a low density polyethylene grade free from additives. This grade is suitable for use in masterbatch applications.

#### Regulatory Status

For regulatory compliance information, see *Icorene* N2112-1000 NAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                   |                                           |
|-------------------|-------------------------------------------|
| Status            | Commercial: Active                        |
| Availability      | Europe                                    |
| Processing Method | Compounding Extrusion                     |
| Attribute         | Good Flow; Good Stiffness; Good Toughness |
| Forms             | Powder                                    |
| Application       | Masterbatch                               |

| Typical Properties               | Nominal Value | Units             | Test Method |
|----------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                  |               |                   |             |
| Melt Flow Rate, (190 °C/2.16 kg) | 7.5           | g/10 min          | ASTM D1238  |
| Density                          | 0.92          | g/cm <sup>3</sup> | ASTM D1505  |
| <b>Mechanical</b>                |               |                   |             |
| Tensile Elongation at Break      | 550           | %                 | ASTM D638   |
| Tensile Modulus                  | 170           | MPa               | ASTM D638   |
| <b>Hardness</b>                  |               |                   |             |
| Durometer Hardness, (Shore D)    | 47            |                   | ASTM D2240  |
| <b>Thermal</b>                   |               |                   |             |
| Vicat Softening Temperature      | 87            | °C                | ASTM D1525  |
| Peak Melting Temperature         | 108           | °C                | ASTM D3418  |

## Notes

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

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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