

## Technical Data Sheet

### *Icorene* N2302-800 NAT0000XX



Linear Low Density Polyethylene

#### 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.

#### Regulatory Status

For regulatory compliance information, see *Icorene* N2302-800 NAT0000XX [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|              |                                                 |
|--------------|-------------------------------------------------|
| Status       | Commercial: Active                              |
| Availability | Europe                                          |
| Attribute    | Good Flow; Good Processability; Heat Stabilized |
| Forms        | Powder                                          |
| Additive     | Heat Stabilizer                                 |
| Application  | Masterbatch                                     |

| Typical Properties               | Nominal Value | Units             | Test Method |
|----------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                  |               |                   |             |
| Melt Flow Rate, (190 °C/2.16 kg) | 50            | g/10 min          | ASTM D1238  |
| Density                          | 0.926         | g/cm <sup>3</sup> | ASTM D1505  |
| <b>Mechanical</b>                |               |                   |             |
| Tensile Strength at Yield        | 12            | MPa               | ASTM D638   |
| Tensile Elongation at Break      | 120           | %                 | ASTM D638   |
| <b>Hardness</b>                  |               |                   |             |
| Durometer Hardness, (Shore D)    | 55            |                   | ASTM D2240  |
| <b>Thermal</b>                   |               |                   |             |
| Vicat Softening Temperature      | 88            | °C                | ASTM D1525  |
| Peak Melting Temperature         | 123           | °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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