

## Technical Data Sheet

### *Icorene* N7140 GRN 6671



Polyethylene, Unspecified

#### Product Description

*Icorene* N7140 is a polyethylene based coating powder designed for encapsulating wire goods for outdoor applications and has been formulated to achieve very high thermal stability. This grade is stress crack and abrasion resistance improved compared with standard polyethylene materials. Compared with standard wirework powders, this material will have improved flow behaviour, process faster and enable users to make savings through thinner coatings achieved at lower oven temperatures.

#### Regulatory Status

For regulatory compliance information, see *Icorene* N7140 GRN 6671 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|              |                                                                                          |
|--------------|------------------------------------------------------------------------------------------|
| Status       | Commercial: Active                                                                       |
| Availability | Europe                                                                                   |
| Attribute    | Good Abrasion Resistance; Good Flow; Good Processability; Heat Stabilized; UV Stabilized |
| Forms        | Powder                                                                                   |
| Appearance   | Unspecified Color                                                                        |
| Application  | Coating Applications; Industrial Applications; Outdoor Applications; Wire & Cable        |

| Typical Properties            | Nominal Value | Units             | Test Method |
|-------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>               |               |                   |             |
| Density                       | 0.92          | g/cm <sup>3</sup> | ASTM D1505  |
| <b>Mechanical</b>             |               |                   |             |
| Tensile Strength at Yield     | 8             | MPa               | ASTM D638   |
| Tensile Elongation at Break   | >500          | %                 | ASTM D638   |
| <b>Hardness</b>               |               |                   |             |
| Durometer Hardness, (Shore D) | 49            |                   | ASTM D2240  |

## 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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