

## Technical Data Sheet

### *Icorene* N7130 BLK 9905



Polyethylene, Unspecified

#### Product Description

*Icorene* N7130 is a polyethylene based coating powder designed for encapsulating wire goods. Compared with standard powders, this grade will have improved flow behaviour, process faster and enable users to make savings through thinner coatings achieved at lower oven temperatures. This grade is used for fluidized bed coating applications by manual dip coating.

|                    |   |
|--------------------|---|
| <b>Attribute</b>   | Good Abrasion Resistance; Good Flow; Good Processability    |
| <b>Forms</b>       | Powder  |
| <b>Appearance</b>  | Unspecified Color   |
| <b>Application</b> | Coating Applications; Industrial Applications; Wire & Cable |

| Typical Properties                     | Nominal Value | Units             | Test Method |
|--|---------------|-------------------|-------------|
| <b>Physical</b>                        |               |                   |             |
| Density                                | 0.924         | 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>Impact</b>                          |               |                   |             |
| Ductile/Brittle Transition Temperature | -70           | °C                | ASTM D746   |
| <b>Hardness</b>                        |               |                   |             |
| Durometer Hardness, (Shore D)          | 49            |                   | ASTM D2240  |
| <b>Thermal</b>                         |               |                   |             |
| Peak Melting Temperature               | 118           | °C                | ASTM D3418  |