

## Technical Data Sheet

### *Icorene* N2170-2000 NAT TT



Low Density Polyethylene

#### Product Description

*Icorene* N2170 is a low density polyethylene resin with an excellent fluidity. It can be successfully added to low flowing LDPE grades to improve their processability. This grade is also used for compound and masterbatch applications.

|                   |                                |
|-------------------|--------------------------------|
| Processing Method | Compounding                    |
| Attribute         | Good Processability; High Flow |
| Forms             | Powder                         |
| Application       | Blending; Masterbatch          |

| Typical Properties               | Nominal Value | Units             | Test Method |
|----------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                  |               |                   |             |
| Melt Flow Rate, (190 °C/2.16 kg) | 70            | g/10 min          | ASTM D1238  |
| Density                          | 0.916         | g/cm <sup>3</sup> | ASTM D1505  |
| <b>Mechanical</b>                |               |                   |             |
| Tensile Strength at Break        | 7             | MPa               | ASTM D638   |
| Flexural Modulus                 | 150           | MPa               | ASTM D790   |
| <b>Hardness</b>                  |               |                   |             |
| Durometer Hardness, (Shore D)    | 40            |                   | ASTM D2240  |
| <b>Thermal</b>                   |               |                   |             |
| Vicat Softening Temperature      | 77            | °C                | ASTM D1525  |
| Peak Melting Temperature         | 102           | °C                | ASTM D3418  |