

## Technical Data Sheet

### *Icorene* N2231-500 NAT



Low Density Polyethylene

#### Product Description

*Icorene* N2231 is a low density polyethylene based compounded resin blend which contains additives to reduce the level of expected warpage across the carpet. This grade is used for special applications, in particular as carpet backing powder.

**Attribute** Good Processability; High Flow; Low Warpage

**Forms** Powder

**Application** Carpet Backing

| 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                          | 1.02          | g/cm <sup>3</sup> | ASTM D1505  |
| <b>Mechanical</b>                |               |                   |             |
| Flexural Modulus                 | 180           | MPa               | ASTM D790   |
| <b>Hardness</b>                  |               |                   |             |
| Durometer Hardness, (Shore D)    | >40           |                   | ASTM D2240  |
| <b>Thermal</b>                   |               |                   |             |
| Peak Melting Temperature         | 102           | °C                | ASTM D3418  |