

## Technical Data Sheet

### *Icorene* 3150 NAT 0000



Linear Low Density Polyethylene

#### Product Description

*Icorene* 3150 is a linear low density polyethylene specifically developed for rotational moulding. This grade is a very fast processing material suitable for use in many different applications. It has a good balance of properties such as toughness, easy flow and stiffness.

|                   |                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------|
| Processing Method | Rotomolding                                                                                   |
| Attribute         | Fast Molding Cycle; Good Flow; Good Moldability; Good Stiffness; Good Toughness; UV Resistant |
| Forms             | Powder                                                                                        |
| Appearance        | Natural Color; Unspecified Color                                                              |
| Additive          | UV Stabilizer                                                                                 |
| Application       | Toys                                                                                          |

| Typical Properties                                | Nominal Value | Units             | Test Method |
|---------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                   |               |                   |             |
| Melt Flow Rate, (190 °C/2.16 kg)                  | 13            | g/10 min          | ASTM D1238  |
| Density                                           | 0.935         | g/cm <sup>3</sup> | ASTM D1505  |
| <b>Mechanical</b>                                 |               |                   |             |
| Tensile Strength at Yield                         | 16            | MPa               | ASTM D638   |
| Flexural Modulus                                  | 550           | MPa               | ASTM D790   |
| Tensile Elongation at Break                       | 210           | %                 | ASTM D638   |
| <b>Impact</b>                                     |               |                   |             |
| Drop Impact Resistance, (-20 °C, Internal Method) | 200           | J/cm              | ASTM D4226  |
| <b>Hardness</b>                                   |               |                   |             |
| Durometer Hardness, (Shore D)                     | 54            |                   | ASTM D2240  |