

Technical Data Sheet

Icorene N2102-1200 NAT0000XX



Low Density Polyethylene

Product Description

Icorene N2102 is a low density polyethylene resin designed for injection moulding, compound and masterbatch applications. This grade is characterized by good toughness, stiffness and processability.

| | |
|--------------------------|---|
| Processing Method | Compounding |
| Attribute | Good Processability; Good Stiffness; Good Toughness |
| Forms | Powder |
| Application | General Purpose; Masterbatch |

| Typical Properties | Nominal Value | Units | Test Method |
|----------------------------------|---------------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, (190 °C/2.16 kg) | 7.5 | g/10 min | ASTM D1238 |
| Density | 0.919 | g/cm ³ | ASTM D1505 |
| Mechanical | | | |
| Tensile Strength at Yield | 10 | MPa | ASTM D638 |
| Tensile Elongation at Break | 500 | % | ASTM D638 |
| Hardness | | | |
| Durometer Hardness, (Shore D) | 46 | | ASTM D2240 |
| Thermal | | | |
| Vicat Softening Temperature | 87 | °C | ASTM D1525 |
| Peak Melting Temperature | 106 | °C | ASTM D3418 |