

BL6200

High Density Polyethylene

Description

BL6200- is a HDPE resin produced via Slurry process technology and suitable for use in blow moulding application. BL6200 is designed to offer high speed processability, good ESCR.

Application

Bottle (small) and household product (shampoo, bleach, Cosmetics).

| Properties | | | |
|---|-----------------|--------------------|-------------|
| Physical | Testing methods | Nominal values | |
| Density | ASTM D 1505 | g/cm ³ | 0.956-0.961 |
| Melt Flow Rate | ASTM D 1238 | g/10min | 0.32-0.44 |
| Mechanical | | | |
| Tensile Strength at Yield (min.) | ASTM D 638 | kg/cm ² | 240 |
| Elongation at Break (min.) | ASTM D 638 | % | 500 |
| Flexural Modulus (min.) | ASTM D790 | kg/cm ² | 11,000 |
| Impact | | | |
| Izod Impact Strength (23 ⁰ C) (min.) | ASTM D256 | kg cm/cm | 10 |
| Thermal | | | |
| Vicat Softening Point (min.) | ASTM D1525 | °C | 123 |
| Additional properties | | | |
| Rockwell Hardness (min.) | ASTM D785 | R | 55 |
| Environmental Stress Cracking Resistance (F50) (min.) | ASTM D1693 | hr | 100 |