

HIVOREX BL6200

High Density Polyethylene

General Information

● Description

HIVOREX BL6200 is produced by slurry process technology.

This resin is ideally suited for use in blow molding application.

HIVOREX BL6200 is designed to offer high speed processability, good ESCR .

● Applications

◆ Bottle(small) and household product.(shampoo, bleach, makeup)

Physical Properties¹

| Physical | Test Method | Nominal Values | | | |
|------------------------------------|-------------|----------------|---------------------|-------|-----|
| Melt Flow Index | ASTM D1238 | 0.35 | g/10min | | |
| Density | ASTM D1505 | 0.958 | g/cm ³ | | |
| Mechanical | | | | | |
| Tensile Stress (Yield) | ASTM D638 | 280 | kgf/cm ² | 27.5 | MPa |
| Tensile Strain (Break) | ASTM D638 | >500 | % | >500 | % |
| Flexural Modulus | ASTM D790 | 13,500 | kgf/cm ² | 1,324 | MPa |
| Impact | | | | | |
| Notched Izod Impact Strength (23℃) | ASTM D256 | 12 | kgf·cm/cm | 117.6 | J/m |
| Thermal | | | | | |
| VICAT Softening Point | ASTM D1525 | 123 | ℃ | | |
| Brittle Temperature | ASTM D746 | <-80 | ℃ | | |
| Additional Properties | | | | | |
| Rockwell Hardness | ASTM D785 | 55 | R | | |
| ESCR | ASTM D1693 | 400 | F50 Hours | | |

NOTE

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications