

LOTTE CHEMICAL

January, 2013

HIVOREX 2200J

High Density Polyethylene

General Information

Description

High Stiffness, Good resistance at chemical

Applications

◆Crate, Housewares, Bottle Cap

Physical Properties¹

| Physical | Test Method | Nominal Values | | | |
|-------------------------------------|-------------|----------------|---------------------|-------|-----|
| Melt Flow Index | ASTM D1238 | 5.0 | g/10min | | |
| Density | ASTM D1505 | 0.965 | g/cm ³ | | |
| Mechanical | | | | | |
| Tensile Stress (Yield) | ASTM D638 | 260 | kgf/cm ² | 25.5 | MPa |
| Tensile Strain (Break) | ASTM D638 | >500 | % | >500 | % |
| Flexural Modulus | ASTM D790 | 14,000 | kgf/cm ² | 1,373 | MPa |
| Impact | | | | | |
| Notched Izod Impact Strength (23°C) | ASTM D256 | 10 | kgf·cm/cm | 1.0 | J/m |
| Thermal | | | | | |
| VICAT Softening Point | ASTM D1525 | 124 | °C | | |
| Additional Properties | | | | | |
| ESCR | ASTM D1693 | 5 | F50 Hours | | |

NOTE

ISO 9001, 14001, /TS 16949

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