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| Grade | FL7000 |
| Product | HDPE |

General Information

Key Features

- FL7000 is manufactured to be processed in conventional blown film equipment by CSTR Slurry process technology.
- Due to the molecular composition of the Bi-modal structure, the FL7000 offers both excellent processability and excellent mechanical properties.

Applications

- Shopping Bag, Garbage Bag
- Industrial/ General Packing Film

| Item | Measuring Method | Unit | Value |
|--------------------------------------|------------------|---------------------|--------|
| Physical | | | |
| Melt Flow Index | ASTM D1238 | g/10min | 0.035 |
| Density | ASTM D1505 | g/cm ³ | 0.956 |
| Mechanical | | | |
| Tensile Stress (Yield) | ASTM D638 | kgf/cm ² | 250 |
| Elongation (Break) | ASTM D638 | % | ≥500 |
| Flexural Modulus | ASTM D790 | kgf/cm ² | 10,000 |
| Impact | | | |
| Izod Impact Strength(notched) (23°C) | ASTM D256 | kgf·cm/cm | >30 |
| Thermal | | | |
| VICAT Softening Temperature | ASTM D1525 | °C | 124 |
| Film Properties² | | | |
| Tensile Stress (Break) MD | ASTM D882 | kgf/cm ² | 700 |
| TD | ASTM D882 | kgf/cm ² | 650 |
| Elongation (Break) MD | ASTM D882 | % | 330 |
| TD | ASTM D882 | % | 500 |
| Tear Resistance MD | ASTM D1004 | kgf/cm | 150 |
| TD | ASTM D1004 | kgf/cm | 230 |

1. Physical Properties : these are not to be construed as specifications
2. Φ50mm Extruder, 20μm Thickness, BUR 4, FLH 10

* The last update date : 2021/10/01