# LUCENE™ HP1018BN

LG Chem

Metallocene LLDPE

## Application

- Agricultural Film, Food Packaging, Lamination Film, Industrial Packaging Film, Heavy Duty Bag

## Characteristics

- Outstanding dart impact strength and excellent process-ability
- Co-monomer : 1-Hexene
- Additives
  - Slip : No, Anti-Block : No, Processing Aid : Yes, Antioxidant : Yes

## Properties

| Item | Test Method | Unit | Typical Value |
|---|---|---|---|
| **Resin Properties** | | | |
| Density | ASTM D1505 | g/㎤ | 0.918 |
| Melt Index (190℃/2.16kg) | ASTM D1238 | g/10min | 1.0 |
| Peak Melting Temperature | LG Method | ℃ | 118 |
| **Film Properties** | | | |
| Tensile strength at Break MD/TD | ASTM D882 | kg/㎠ | 520 / 450 |
| Elongation at Break MD/TD | ASTM D882 | % | 550 / 640 |
| Secant Modulus - 1% Secant MD/TD | ASTM D882 | kg/㎠ | 2800 / 3100 |
| Dart Impact Strength | ASTM D1709A | g | 700 |
| Elmendorf Tear Strength MD/TD | ASTM D1922 | g | 280 / 370 |
| Haze | ASTM D1003 | % | 18 |

*** Film properties are measured on 25㎛ film specimen**
**** The data in this table are typical values, and not guaranteed specification**

## Processing Information

- Processing temperature : 150 ~ 180℃
- Blow up ratio : 1.5 ~ 3.0
- Film thickness (㎛) : 20 ~ 200

**For additional sales, order and technical assistance**

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**Head office** **PO Division, LG Chem Ltd.**
Yeoui-do P.O.Box 672, 21st floor LG Twin Tower,
Yeoui-daero 128, Yeongdeungpo-gu Seoul, Korea.
Tel. 82-2-3773-7808/7745/3961

**TS&D** **Packaging TS. PO.Tech Center**
211, Hwangsae-ro,Osan-si, Gyeonggi-do, 18126, Korea.
Tel. 82-31-5187-0214



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