

LUCENE™ HP1018BI

Metallocene LLDPE

Application

- Food Packaging, Agricultural Film, Lamination film, Industrial Packaging Film

Characteristics

- Outstanding dart impact strength and excellent process-ability
- Co-monomer : 1-Hexene
- Additives
 - Slip : 800ppm, Anti-Block : 2000ppm, Processing Aid : Yes, Antioxidant : Yes

Properties

Item	Test Method	Unit	Typical Value
Resin Properties			
Density	ASTM D1505	g/cm ³	0.918
Melt Index (190°C/2.16kg)	ASTM D1238	g/10min	1.0
Peak Melting Temperature	LG Method	°C	118
Film Properties			
Tensile strength at Break MD/TD	ASTM D882	kg/cm ²	500 / 520
Elongation at Break MD/TD	ASTM D882	%	550 / 640
Secant Modulus - 1% Secant MD/TD	ASTM D882	kg/cm ²	2400 / 2600
Dart Impact Strength	ASTM D1709A	g	700
Elmendorf Tear Strength MD/TD	ASTM D1922	g	310 / 470
Haze	ASTM D1003	%	18

1) Film properties are measured on 25 μ m film specimen*, and properties may vary depending on processing equipment & conditions.

* B.U.R : 2.5, Processing temperature : 170°C

2) The data in this table are typical values, and not guaranteed specification

Processing Information

- Processing temperature : 150 ~ 180°C
- Blow up ratio : 1.5 ~ 3.0
- Film thickness (μ m) : 20 ~ 200

For additional sales, order and technical assistance

Revised : 06/08/2021

Head office PO Division, LG Chem Ltd.
 Yeouí-do P.O.Box 672, 21st floor LG Twin Tower,
 Yeouí-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. 82-31-5187-0217

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products."