

LUCENE™ HP2018BI

Metallocene LLDPE

Characteristics

- Outstanding dart impact strength and process-ability
- Co-monomer : 1-Hexene
- TnPP is not intentionally added to LUCENE™ HP2018BI
- Additives

Grade	Slip	Anti-Block	Processing Aid	Antioxidant
HP2018BI	800ppm	2,000ppm	O	O

Application

- Food Packaging, Lamination Film, Industrial Packaging Film, Heavy duty bag

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	2.0
Peak Melting Temperature	LG Method	°C	117
Film Properties			
Tensile strength at Break MD/TD	ASTM D882	kg/cm ²	520 / 530
Elongation at Break MD/TD	ASTM D882	%	570 / 600
Secant Modulus - 1% Secant MD/TD	ASTM D882	kg/cm ²	2,400 / 2,500
Dart Impact Strength	ASTM D1709A	g	580
Elmendorf Tear Strength MD/TD	ASTM D1922	g	370 / 410
Haze	ASTM D1003	%	14

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