

LUCENE™ HP1018 Series

Metallocene LLDPE

Characteristics

- Outstanding dart impact strength and process-ability
- Co-monomer : 1-Hexene
- TnPP is not intentionally added to LUCENE™ HP1018 Series
- Additives

Grade	Slip	Anti-Block	Processing Aid	Antioxidant
HP1018BN	-	-	0	0
HP1018BA	-	2,500ppm	0	0
HP1018BM	500ppm	2,500ppm	0	0
HP1018BI	1,000ppm	2,500ppm	0	0
HP1018BH	1,500ppm	2,500ppm	0	0

Application

- Agricultural Film, 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	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	2,400 / 2,600
Dart Impact Strength	ASTM D1709A	g	600
Elmendorf Tear Strength MD/TD	ASTM D1922	g	310 / 470
Haze	ASTM D1003	%	16

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