

LUCENE™ XM3108 Series

Metallocene LLDPE

Characteristics

- Excellent dart impact strength and process-ability
- Co-monomer : 1-Hexene
- TnPP is not intentionally added to LUCENE™ XM3108 Series
- **Additives**

Grade	Slip	Anti-Block	Processing Aid	Antioxidant
XM3108BN	-	-	O	O
XM3108BA	-	2,250ppm	O	O
XM3108BM	500ppm	2,250ppm	O	O
XM3108BH	1,000ppm	2,250ppm	O	O

Application

- Food Packaging, Lamination Film, Industrial Packaging Film

Properties

Item	Test Method	Unit	Typical Value
Resin Properties			
Density	ASTM D1505	g/cm ³	0.917
Melt Index (190°C/2.16kg)	ASTM D1238	g/10min	1.0
Peak Melting Temperature	LG Method	°C	121
Film Properties			
Tensile strength at Break MD/TD	ASTM D882	kg/cm ²	500 / 450
Elongation at Break MD/TD	ASTM D882	%	450 / 600
Secant Modulus - 1% Secant MD/TD	ASTM D882	kg/cm ²	2,500 / 2,700
Dart Impact Strength	ASTM D1709A	g	850
Elmendorf Tear Strength MD/TD	ASTM D1922	g	330 / 500
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