

# 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	-	-	0	0
XM3108BA	-	2,250ppm	0	0
XM3108BM	500ppm	2,250ppm	0	0
XM3108BH	1,000ppm	2,250ppm	0	0

## Application

- Food Packaging, Lamination Film, Industrial Packaging Film

## Properties

Item	Test Method	Unit	Typical Value
<b>Resin Properties</b>			
Density	ASTM D1505	g/cm <sup>3</sup>	0.917
Melt Index (190°C/2.16kg)	ASTM D1238	g/10min	1.0
Peak Melting Temperature	LG Method	°C	121
<b>Film Properties</b>			
Tensile strength at Break MD/TD	ASTM D882	kg/cm <sup>2</sup>	500 / 450
Elongation at Break MD/TD	ASTM D882	%	450 / 600
Secant Modulus - 1% Secant MD/TD	ASTM D882	kg/cm <sup>2</sup>	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 $\mu$ 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 ( $\mu$ m) : 20 ~ 200