

LUCENE™ XM5137 Series

Metallocene LLDPE

Characteristics

- Excellent process-ability and Sealing properties
- Broad Hot Tack Window & Hot Tack Strength and Non-Sticky Properties
- Co-monomer : 1-Hexene
- Fluoropolymers, or fluorine-containing compounds, and TnPP is not intentionally added to LUCENE™ XM5137 Series
- Additives

Grade	Slip	Anti-Block	Processing Aid	Antioxidant
XM5137BN	-	-	-	0
XM5137BA	-	2,500ppm	-	0
XM5137BM	500ppm	2,500ppm	-	0
XM5137BI	800ppm	2,500ppm	-	0

Application

- Food Packaging, Lamination Film, Industrial Packaging Film

Properties

Item	Test Method	Unit	XM5137BN	XM5137BA	XM5137BM	XM5137BI
Resin Properties						
Density	ASTM D1505	g/cm ³	0.917	0.917	0.917	0.917
Melt Index (190°C/2.16kg)	ASTM D1238	g/10min	1.3	1.3	1.3	1.3
Peak Melting Temperature	LG Method	°C	124	124	124	124
Film Properties						
Tensile strength at Break MD/TD	ASTM D882	kg/cm ²	450/500	450/500	450/500	450/500
Elongation at Break MD/TD	ASTM D882	%	500/600	500/600	500/600	500/600
1% Secant Modulus MD/TD	ASTM D882	kg/cm ²	2,400/2,500	2,400/2,500	2,400/2,500	2,400/2,500
Dart Impact Strength	ASTM D1709A	g	800	800	800	800
Elmendorf Tear Strength MD/TD	ASTM D1922	g	370/550	370/550	370/550	370/550
Haze	ASTM D1003	%	35	12	11	11

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