

LUCENE™ LF100A

Polyolefin Plastomer

Applications

- General purpose thermoplastic elastomer for polymer modification
- Lamination film, Packaging Film

Description

- LUCENE™ LF100A is an ethylene-1-octene copolymer produced using LG Chem's metallocene polymerization catalyst and solution process technology.
- LUCENE™ LF100A is mainly intended for the extrusion of blown film with high mechanical property for the manufacture of lamination and packaging film.
- LUCENE™ LF100A contains Anti-block, Slip and Anti-oxidants additives

Typical properties⁽¹⁾

Characteristics		Test Method	Unit	Value
Physical				
Density		ASTM D1505	g/cm³	0.902
MFR(190°C,2.16Kg)		ASTM D1238	g/10min	1.2
Yellow Index		LG Method	-	1.4
Mechanical ⁽²⁾				
Tensile Strength at Break	MD	ASTM D882 ⁽³⁾	MPa	50
	TD			50
Elongation at Break	MD	ASTM D882 ⁽³⁾	%	570
	TD			600
Elmendorf Tear	MD	ASTM D1922 ⁽³⁾	g/μm	13.5
	TD			17.5
Falling Dart impact		ASTM D1709 ⁽⁴⁾	g	830
Optical ⁽²⁾				
Haze		ASTM D1003	%	6.5
Thermal				
Melting Temperature		LG Method	°C	98

(1) The properties data in this table are typical values, and not guaranteed specification.

(2) Typical film property values are measured on 60μm blown film specimens(BUR 2.3)

(3) Speed of 500 mm/min

(4) Method B

Processing information

- LUCENE™ LF100A may be processed on conventional equipment. It is recommended that hopper feed throat should be cooled below 30°C to prevent from pellet bridging with low melting point .

For additional sales, order and technical assistance

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