

LUCENE[™] LF100

Polyolefin Plastomer

Applications

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

Description

- LUCENE[™] LF100 is an ethylene-1-octene copolymer produced using LG Chem's metallocene polymerization catalyst and solution process technology.
- LUCENE[™] LF100 is mainly intended for the extrusion of blown film with high mechanical property for the manufacture of lamination and packaging film.
- LUCENE[™] LF100 contains 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	-	- 1.5
Mechanical ⁽²⁾				
Tensile Strength at Break	MD	ASTM D882 ⁽³⁾	MDa	43
	TD		IVIFa	48
Elongation at Break	MD	ASTM D882 ⁽³⁾	%	590
	TD			650
Elmendorf Tear	MD	ΔSTM D1022 (3)	g/µm	14.4
	TD			17.3
Falling Dart impact		ASTM D1709 ⁽⁴⁾	g	1460
Optical ⁽²⁾				
Haze		ASTM D1003	%	3.0
Thermal				
Melting Temperature		LG Method	°C	100

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

(2) Typical film property values are measured on $60_{\mu m}$ blown film specimens(BUR 2.3)

(3) Speed of 500 mm/min

(4) Method B

Processing information

 LUCENE[™] LF100 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.

TS&D

For additional sales, order and technical assistance

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