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/㎤	0.902
MFR(190℃,2.16Kg)		ASTM D1238	g/10min	1.2
Yellow Index		LG Method	-	- 1.5
Mechanical(2)				
Tensile Strength at Break	MD	ASTM D882(3)	MPa	43
	TD			48
Elongation at Break	MD	ASTM D882(3)	%	590
	TD			650
Elmendorf Tear	MD	ASTM D1922 (3)	g/㎛	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	℃	100

(1) The properties data in this table are typical values, and not guaranteed specification.
(2) Typical film property values are measured on 60㎛ 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℃ to prevent from pellet bridging with low melting point .

For additional sales, order and technical assistance

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