

LUCENE SP310



Resin Type Metallocene Linear Low Density Polyethylene

Application Lamination & industrial film

Description

- Characteristics: Excellent Dart Impact, Excellent Processability, Excellent Sealability,
- Comonomer: hexcene-1
- Additives: Antioxidant Polymer Processing Aid

Properties	Test Method	Test Condition	Unit	Value
Resin Properties				
Melt Index	ASTM D1238	190°C/2.16 kg	g/10 min	1
Density	ASTM D1505	23°C	g/cm ³	0.918
Ultimate Tensile Strength	ASTM D638	50 mm/min	kgf/cm ²	400
Ultimate Elongation	ASTM D638	50 mm/min	%	800
Melting Point	ASTM D1525	-	°C	117

* Typical resin property values measured on a standard compression molded specimens, conditioned at 23°C.

Film Properties((Thickness: 50μm)				
Ultimate Tensile Strength	ASTM D882	-	kgf/cm ²	MD 550
				TD 500
Ultimate Elongation	ASTM D882	-	%	MD 600
				TD 650
Elmendorf Tear Strength	ASTM D1922	-	g/ μ m	MD 12
				TD 17
Dart Impact Strength	ASTM D1709	-	g	>1000
Haze	ASTM D1003	-	%	15

* Film processing condition

- Processing machine: Φ 30mm blown film extruder
- Processing temperature(°C): C1/C2/C3/AD/D1/D2 = 140/160/170/170/170/170
- Blow up ratio: 2.0 , Screw rpm: 50

The data and information represented herein are intended as a general guide only and are not construed as specification limits. Since the actual processing conditions of our products may vary and are beyond our control, establishing satisfactory performance of the resin for the intended application is the customer's sole responsibility.

LUCENE SP311



Resin Type Metallocene Linear Low Density Polyethylene

General Purpose Agricultural & industrial film

Description

- Characteristics: Excellent Dart Impact, Excellent Processability, Excellent Sealability,
- Comonomer: hexcene-1
- Additives: Anti-oxidant ,Antiblocking agent, Slip Agent ,Polymer Processing Aid

Properties	Test Method	Test Condition	Unit	Value
Resin Properties				
Melt Index	ASTM D1238	190°C/2.16 kg	g/10 min	1
Density	ASTM D1505	23°C	g/cm ³	0,918
Ultimate Tensile Strength	ASTM D638	50 mm/min	kgf/cm ²	400
Ultimate Elongation	ASTM D638	50 mm/min	%	800
Melting Point	ASTM D1525	-	°C	117

* Typical resin property values measured on a standard compression molded specimens, conditioned at 23°C.

Film Properties((Thickness: 50 μ m))

Ultimate Tensile Strength	ASTM D882	-	kgf/cm ²	MD 550
				TD 500
Ultimate Elongation	ASTM D882	-	%	MD 600
				TD 650
Elmendorf Tear Strength	ASTM D1922	-	g/ μ m	MD 12
				TD 17
Dart Impact Strength	ASTM D1709	-	g	>1000
Haze	ASTM D1003	-	%	15

* Film processing condition

- Processing machine: Φ 30mm blown film extruder
- Processing temperature(°C): C1/C2/C3/AD/D1/D2 = 140/160/170/170/170/170
- Blow up ratio: 2.0 , Screw rpm: 50

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LUCENE SP510



Resin Type Metallocene Linear Low Density Polyethylene

Application Cast Film (Pallet Stretch Wrap & Food Wrap Film)

Description

- Characteristics: Excellent Dart Impact, Good Processability, Excellent Puncture Resistance,
- Comonomer: hexcene-1
- Additives: Antioxidant Polymer Processing Aid

Properties	Test Method	Test Condition	Unit	Value
Resin Properties				
Melt Index	ASTM D1238	190°C/2.16 kg	g/10 min	3,5
Density	ASTM D1505	23°C	g/cm ³	0,918
Melting Point	ASTM D1525	-	°C	117

* Typical resin property values measured on a standard compression molded specimens, conditioned at 23°C.

Film Properties(Thickness: 20μm)				
Ultimate Tensile Strength	ASTM D882	-	kgf/cm ²	MD 420
				TD 390
Ultimate Elongation	ASTM D882	-	%	MD 600
				TD 650
Elmendorf Tear Strength	ASTM D1922	-	g	MD 20
				TD 25
Dart Impact Strength	ASTM D1709	-	g	500
Haze	ASTM D1003	-	%	2,0

* Film processing condition

- Processing machine: Φ 50mm LLDPE T-Die extruder(Die Gap :1,2mm)
- Processing temperature(°C): C1/C2/C3/AD/T-1/T-2/T-3= 180/230/250/250/250/250/250
- Screw rpm: 60

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