

# LUTENE<sup>®</sup> LB7000

Low Density Polyethylene

## Applications

- Flexible package(tie layer or sealant layer of laminating film), Paper and paper board

## Description

- LUTENE<sup>®</sup> LB7000 is mainly intended for extrusion coating and can be processed at high speed with uniform thickness and width.
- LUTENE<sup>®</sup> LB7000 has a good adhesion strength with Al-foil, polymer film, paper, paper board and other substrate and excellent neck-in characteristics.
- LUTENE<sup>®</sup> LB7000 contains no additives.
- LUTENE<sup>®</sup> LB7000 complies with U.S. FDA 21CFR 177.1520 C and EU Directive 2002/72 /EC and its amendments and hence Article 3 of European Regulation No. 1935/2004

## Typical properties

Characteristics	Test Method	Unit	Value
<b>Physical<sup>(1)</sup></b>			
MFR(190°C, 2.16Kg)	ASTM D1238	g/10min	<b>7.0</b>
Density	D792	g/cm <sup>3</sup>	<b>0.917</b>
<b>Mechanical<sup>(2)</sup></b>			
Tensile Strength at Yield	D638	Mpa	<b>8.8</b>
Tensile Strength at Break	D638	Mpa	<b>11.3</b>
Elongation at Break	D638	%	<b>&gt;500</b>
Shore hardness(Shore D)	D2240	-	<b>43</b>
<b>Thermal</b>			
Melting Temperature	LG Method	°C	<b>106</b>
Vicat Softening Point	D1525	°C	<b>82</b>
<b>Thermal</b>			
Neck-in (at speed 150m/min)	LG Method	mm	<b>18</b>
Max. Coating Speed (at weight 13g/m <sup>2</sup> )	LG Method	m/min	<b>250</b>
Min. Coating Weight (at speed 250m/min)	LG Method	g/m <sup>2</sup>	<b>13</b>

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

(2) Typical resin property values are measured on a standard compression molded specimens

For additional sales, order and technical assistance

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Low Density Polyethylene

## Processing information

- LUTENE<sup>®</sup> LB7000 can be easily processed on all standard extrusion coating equipment.
- Optimum melt temperature on commercial extrusion coating equipment is range of 280 to 330 °C.

## Storage and handling Recommendations

- LUTENE<sup>®</sup> LB7000 should be stored in a dry and dust free conditions.
- Keep below 45 °C taking away from direct sunlight

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