LUTENE® LB7000

Low Density Polyethylene

Applications

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

Description

- **LUTENE® LB7000 is mainly intended for extrusion coating and can be processed at high speed with uniform thickness and width.**
- **LUTENE® LB7000 has a good adhesion strength with Al-foil, polymer film, paper, paper board and other substrate and excellent neck-in characteristics.**
- **LUTENE® LB7000 contains no additives.**
- **LUTENE® 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
Physical(1)			
MFR(190℃,2.16Kg)	ASTM D1238	g/10min	**7.0**
Density	D792	g/㎤	**0.917**
Mechanical(2)			
Tensile Strength at Yield	D638	Mpa	**8.8**
Tensile Strength at Break	D638	Mpa	**11.3**
Elongation at Break	D638	%	**>500**
Shore hardness(Shore D)	D2240	-	**43**
Thermal			
Melting Temperature	LG Method	℃	**106**
Vicat Softening Point	D1525	℃	**82**
Thermal			
Neck-in (at speed 150m/min)	LG Method	mm	**18**
Max. Coating Speed (at weight 13g/m^2)	LG Method	m/min	**250**
Min. Coating Weight (at speed 250m/min)	LG Method	g/m^2	**13**

(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 **Revised :11/07/2014**

Head office **PO Division, LG Chem Ltd.**
Yeoui-do P.O.Box 672, 21st floor LG Twin Tower,
Yeoui-daero 128, Yeongdeungpo-gu Seoul, Korea.
Tel. 82-2-3773-6734

TS&D **TECH Center. Polyolefin**
175, Gajeong-ro,Yuseong-gu, Daejeon, 305-343, Korea.
Tel. 82-42-860-8341

LUTENE® LB7000

Low Density Polyethylene

Processing information

- LUTENE® 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℃.

Storage and handling Recommendations

- LUTENE® LB7000 should be stored in a dry and dust free conditions.
- Keep below 45℃ taking away from direct sunlight

For additional sales, order and technical assistance

Revised :11/07/2014

Head office **PO Division, LG Chem Ltd.**
Yeoui-do P.O.Box 672, 21st floor LG Twin Tower,
Yeoui-daero 128, Yeongdeungpo-gu Seoul, Korea.
Tel. 82-2-3773-6734

TS&D **TECH Center. Polyolefin**
175, Gajeong-ro,Yuseong-gu, Daejeon, 305-343, Korea.
Tel. 82-42-860-8341