



# 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           | 7.3   |
| Density                                            | D792        | g/cm <sup>3</sup> | 0.917 |
| <b>Mechanical<sup>(2)</sup></b>                    |             |                   |       |
| 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    |
| <b>Thermal</b>                                     |             |                   |       |
| Melting Temperature                                | LG Method   | °C                | 106   |
| Vicat Softening Point                              | D1525       | °C                | 82    |
| <b>Thermal</b>                                     |             |                   |       |
| Neck-in (at speed 150m/min)                        | LG Method   | mm                | 18    |
| Max. Coating Speed (at weight 13g/m <sup>2</sup> ) | LG Method   | m/min             | 250   |
| Min. Coating Weight (at speed 250m/min)            | LG Method   | g/m <sup>2</sup>  | 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

**Head office** PO Division, LG Chem Ltd.  
Yeouido P.O.Box 672, 21<sup>st</sup> floor LG Twin Tower,  
Yeouido-daero 128, Yeongdeungpo-gu Seoul, Korea.

**TS&D** **TECH Center. Polyolefin**  
188, Munji-ro, Yuseong-gu, Daejeon, 34122, Korea.  
Tel. 82-42-722-5074

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products.



# LUTENE<sup>®</sup> LB7000

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

### For additional sales, order and technical assistance

**Head office PO Division, LG Chem Ltd.**

Yeouido P.O.Box 672, 21<sup>st</sup> floor LG Twin Tower,  
Yeouidaero 128, Yeongdeungpo-gu Seoul, Korea.

**TS&D****TECH Center. Polyolefin**

188, Munji-ro, Yuseong-gu, Daejeon, 34122, Korea.  
Tel. 82-42-722-5074

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products."