

# LB5000

## Description

Extrusion coating with uniform thickness and width  
 Good adhesion strength with other substrate and excellent neck-in characteristics.  
 No contains additives. Complies with U.S. FDA 21CFR 177.1520 C.

## Application

Flexible packaging (adhesive layer of multi-layer packaging film,  
 heat sealing layer in contact with food), paper coating

| Properties  | Method     | Condition          | Unit                | LB5000 |
|---|------------|--------------------|---------------------|--------|
| <b>Physical</b>                                       |            |                    |                     |        |
| MFI   | ASTM D1238 | 190°C, 2.16kg load | g/10min             | 5.2    |
| Density   | ASTM D1505 | Density-Gradient   | g/cm <sup>3</sup>   | 0.918  |
| <b>Mechanical</b>                                     |            |                    |                     |        |
| Tensile Strength at Yield Point(kgf/cm <sup>2</sup> ) | ASTM D638  | 50mm/min           | kgf/cm <sup>2</sup> | 90     |
| Tensile Strength at Break Point                       | ASTM D638  | 50mm/min           | kgf/cm <sup>2</sup> | 120    |
| Elongation at Break Point                             | ASTM D638  | 50mm/min           | %                   | >550   |
| <b>Thermal</b>  |            |                    |                     |        |
| Melting Temperature                                   | LG Method  | by DSC             | °C                  | 106    |
| Vicat Softening Temperature                           | ASTM D1525 | A50                | °C                  | 83     |

## Note

The properties data in this table are typical values, and not guaranteed specification.  
 Typical resin property values are measured on a standard compression molded specimens.