



LUTENE[®] LB5000

Low Density Polyethylene

Applications

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

Description

- LUTENE[®] LB5000 is mainly intended for extrusion coating and can be processed with uniform thickness and width.
- LUTENE[®] LB5000 has a good adhesion strength with Al-foil, polymer film, paper, paper board and other substrate and excellent neck-in characteristics.
- LUTENE[®] LB5000 contains no additives.
- LUTENE[®] LB5000 complies with U.S. FDA 21CFR 177.1520 C and Japanese Ministry of Health and Welfare Notification N.20 Standard.

Typical properties

Characteristics	Test Method	Unit	Value
Physical⁽¹⁾			
MFR(190 °C, 2.16Kg)	ASTM D1238	g/10min	5.2
Density	D792	g/cm ³	0.918
Mechanical⁽²⁾			
Tensile Strength at Yield	D638	Mpa	8.8
Tensile Strength at Break	D638	Mpa	11.8
Elongation at Break	D638	%	>550
Shore hardness(Shore D)	D2240	-	43
Thermal			
Melting Temperature	LG Method	°C	106
Vicat Softening Point	D1525	°C	83
Thermal			
Neck-in (at speed 150m/min)	LG Method	mm	20
Max. Coating Speed (at weight 13g/m ²)	LG Method	m/min	200
Min. Coating Weight (at speed 200m/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

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Processing information

- LUTENE[®] LB5000 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[®] LB5000 should be stored in a dry and dust free conditions.
- Keep below 45°C taking away from direct sunlight

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