

Product Description

Applications:
 Paper and paperboard (release paper, kraft paper)
 Flexible package(tie layer or sealant layer of laminating film)

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 paper, paper board and other substrates and excellent neck-in characteristic. LUTENE LB7000 contains no additives.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• North America • South America	
Features	• Additive Free	• Good Adhesion	• Low Neck-In
Uses	• Coating Applications • Laminates • Packaging	• Paper Coatings • Release Paper • Sealants	• Tie-Layer
Processing Method	• Extrusion Coating		

Physical Nominal Value Unit Test Method

Density	0.917 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0 g/10 min	ASTM D1238

Mechanical Nominal Value Unit Test Method

Tensile Strength ²		ASTM D638
Yield	8.80 MPa	
Break	11.8 MPa	
Tensile Elongation ² (Break)	500 %	ASTM D638
Flexural Modulus ³	177 MPa	ASTM D790

Films Nominal Value Unit Test Method

Minimum Heat Seal Temperature Kraft Paper 40g/m ²	110	Internal Method
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Hardness Nominal Value Unit Test Method

Durometer Hardness (Shore D)	43	ASTM D2240
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Thermal Nominal Value Unit Test Method

Vicat Softening Temperature	83.0 °C	ASTM D1525 ⁴
Melting Temperature	106 °C	DSC

Extrusion Nominal Value Unit Test Method

Melt Temperature	280 to 330 °C	
Minimum Coating Weight		Internal Method
Coating Speed: 150m/min	13 g/m ²	
Neck-in (Coating Speed: 150m/min)	20.0 mm	Internal Method

Notes

¹ Typical properties: these are not to be construed as specifications.

² 200 mm/min

³ 2.8 mm/min

⁴ Loading 1 (10 N)