

Low Density Polyethylene
LG Chem Ltd. Web



Product Description

LUTENE LB7500 is mainly intended for extrusion coating and can be processed uniform thickness and width. LUTENE LB7500 is also noted for the excellent heat stability and has good silicone coating processibility. LB7500 has a good adhesion strength with paper and paper board and excellent neck-in characteristic. LUTENE LB7500 contains no additives.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Search for UL Yellow Card	• LG Chem Ltd.
Availability	• Asia Pacific • North America • Europe • South America
Features	• Additive Free • Good Processability • Good Adhesion • Low Neck-In
Uses	• Coating Applications • Laminates • Packaging
Processing Method	• Extrusion Coating • Laminating

Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	43		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, Compression Molded	8.83	MPa	
Break, Compression Molded	11.3	MPa	
Tensile Elongation (Break, Compression Molded)	550	%	ASTM D638
Flexural Modulus (Compression Molded)	196	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Water Vapor Permeability ² (25°C)	0.00196	MPa	ASTM D393
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	107	°C	DSC

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² 1 atm



The information presented on this datasheet was acquired by UL IDES from the producer of the material. UL IDES makes substantial efforts to assure the accuracy of this data. However, UL IDES assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

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