

Lutene® FB0800

Low Density Polyethylene

LG Chem Ltd.

Message:

LUTENE FB0800 is mainly intended for the extrusion of blown film with high mechanical property for the manufacture of greenhouse film.

LUTENE FB0800 have the excellent mechanical properties and optical properties make suitable for manufacture of greenhouse films.

LUTENE FB0800 contains neither slip agent nor antiblock agent and antiblock agent for agricultural films .

Applications: Large width film for greenhouse, Tunnel films.

General Information			
Features	Optical		
Uses	Films		
	Agricultural application		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	0.15		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Recommended / Available	50 to 300 µm		
Tensile Strength			ASTM D882
MD: Fracture	21.7	MPa	ASTM D882
TD: Fracture	20.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	550	%	ASTM D882
TD: Fracture	650	%	ASTM D882
Dart Drop Impact	230	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	280	g	ASTM D1922
TD	350	g	ASTM D1922
Oxygen Permeability	2000	cm ³ /m ² /24 hr	Internal method
Water Vapor Transmission	12	g/m ² /24 hr	Internal method
Nitrogen Permeability	3500	cm ³ /m ² /24 hr	Internal method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	94.0	°C	ASTM D1525 ¹
Melting Temperature	110	°C	DSC
Optical	Nominal Value	Unit	Test Method
Haze	8.0	%	ASTM D1003

Extrusion	Nominal Value	Unit
Melt Temperature	170 - 200	°C
Extrusion instructions		
Blow up ratio: 1.5 to 3		
NOTE		
1.	压力1 (10N)	

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