

# FB0300

## Low Density Polyethylene Blown Film Grade

### Main Application

Packing of heavy products, Shrink hoods, Pallet shrink covers, all types of industrial packing

### Description

LUTENE FB0300 is mainly intended for the extrusion of blown film with high mechanical property for the manufacture of heavy duty sacks and pallet shrink films.

LUTENE FB0300 have the excellent mechanical properties and high stress cracking resistance make suitable for heavy duty bags and particularly bottom sealed bags.

(LUTENE FB0300 contains no slip agent.)

### General Characteristics

Characteristic	Test Method	Unit	Value
Melt Index 190/2.16	ASTM D1238	g/10min	0.4
Density (23°C)	ASTM D1505	g/cm <sup>3</sup>	0.921
Vicat Softening Point	ASTM D1525	°C	95
Melting Point	DSC	°C	110

### Processing Condition

Processing temperature : 190~220°C

Blow up ratio : 1.5~2

Film thickness(micro-m) : 50~300

### General Characteristics

Characteristic	Test Method	Unit	Value	
			MD	TD
Tensile Strength at Yield	ASTM D 822	kg/cm <sup>2</sup>	-	-
Tensile Strength at Break	ASTM D 822	kg/cm <sup>2</sup>	240	230
Elongation at Break	ASTM D 822	%	550	650
Tear Resistance	ASTM D1922	kg/cm <sup>2</sup>	370	380
Impact Resistance	ASTM D1709	g	300	
Slip Coefficient	ASTM D1894	-	0.47	
Water Vapor Permeability	LG Method	g/cm <sup>2</sup> -24hrs	10	
Oxygen Permeability	LG Method	cm <sup>3</sup> /m <sup>2</sup> -24hrs:atm	2000	
Nitrogen Permeability	LG Method	cm <sup>3</sup> /m <sup>2</sup> -24hrs:atm	3500	
Haze	ASTM D1003	%	17	
Gloss(60°)	ASTM D2457	-	95	
ESCR F50(hrs)	ASTM D1693	-	>500	

\* measured on 50 microns film

NOTE : Values given above should only be used as a guide and should not be considered as a film specification or guarantee



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