

LUTENE®

FB3000

LDPE · Extrusion of Blown Film

○ Main Application

Clarity bags in all thickness, film for automatic packing, packing of textiles, lightweight carrier bags, shrink film for packing, film for lamination

○ Description

LUTENE FB3000 is mainly intended for the extrusion of blown film with high mechanical property for the clarity bags in all thickness.

LUTENE FB3000 have high mechanical property and enables the production of very thin, clear, glossy film.

(LUTENE FB3000 contains slip agent and antiblock agent.)

○ General characteristics

Characteristics	Test Method	Unit	Value
Melt Index 190 /2.16	ASTM D 1238	g/10min	3.0
Density (23℃)	ASTM D 1505	g/cm ³	0.921
Vicat softening point	ASTM D 1525	℃	90
Melting point	DSC	℃	110

○ Processing condition

- ◆ processing temperature : 140 ~ 160 ℃
- ◆ Blow up ratio : 1.5 ~ 3
- ◆ Film thickness(μm) : 20 ~ 100

○ General characteristics

Characteristics	Test Method	Unit	Value
			MD TD
Tensile strength at yield	ASTM D 882	kg/cm ²	- -
Tensile strength at break	ASTM D 882	kg/cm ²	190 185
Elongation at break	ASTM D 882	%	420 610
Tear resistance	ASTM D 1922	kg/cm ²	90 85
Impact resistance	ASTM D 1709	g	110
Slip coefficient	ASTM D 1894	-	0.08
Water vapor permeability	LG Method	g/cm ² ·24hrs	10.5
Oxygen permeability	LG Method	cm ³ /m ² ·24hrs·atm	2000
Nitrogen permeability	LG Method	cm ³ /m ² ·24hrs·atm	7500
Haze	ASTM D 1003	%	8
Gloss(60°)	ASTM D 2457	-	95
ESCR F50(Hrs)	ASTM D 1693	-	-

* 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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