

LUTENE- FB0300

Low Density Polyethylene

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 particularity bottom sealed bags. (LUTENE FB0300 contains no slip agent.)

MAIN APLICATIONS

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

PHYSICAL PROPERTIES	TEST METHOD	VALUE	
Melt Index 190/2.16	ASTM D 1238	0.4	
Density (23oC)	ASTM D1505	0.921	
Vicat Softening Point o	ASTM D 1525	95	
Melting Point	DSC	110	
MECHANICAL PROPERTIES			
Tensile Strength at Yield kg/cm2	ASTM D882	(MD)	(TD)
Tensile Strength at Break kg/cm2	ASTM D882	240	230
Elongation at Break %	ASTM D882	550	650
Tear Resistance kg/cm2	ASTM D1922	370	380
Impact Resistance g	ASTM D1709	300	
Slip Coefficient	ASTM D1894	0.47	
Water Vapor Permeability g/cm2 _24hrs	LG Method	10	
Oxygen Permeability 22 cm2/m2 _24hrs.atm	LG Method	2000	
Nitrogen Permeability cm2/m2 _24hrs.atm	LG Method	3500	
Haze %	ASTM D1003	17	
Gloss(60)	ASTM D2457	95	
ESCR F50(hrs)	ASTM D1693	>500	

Processing Condition

Processing temperature : 190~220oC

Blow up ratio : 1.5~2

Film thickness(micro-m) : 50~300

* 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