

TECHNICAL DATA SHEET LDPE FILM**Thickness range: 161 – 240µm**

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FILM PROPERTIES:

(Film properties are measured in the range specified in the material title)

		Unit	Value	Tolerance	Test method	
Density		g/cm ³	0,928 ₁	Standard value	ASTM D 4635-1	
Erucamide		ppm	0	± 10%	-	
Inorganic salts		ppm	1000	± 10%	-	
Composition	A	LDPE	%	80	-	-
		LLDPE	%	20	-	-
	B	LDPE	%	60	-	-
		MDPE	%	40	-	-
	C	LDPE	%	60	-	-
		LLDPE	%	40	-	-
Haze		%	4	Standard value	ASTM D 1003	
Tensile strength (MD/TD)		MPa	23/19*	± 10%	ASTM D 882	
Yielding stress (MD/TD)		MPa	7/7*	± 10%	ASTM D 882	
Elongation (MD/TD)		%	762/777*	± 10%	ASTM D 882	
Surface tension (standard)		Dynes/cm	40	>38	ASTM D 2578-04a	
Opacity (If applicable)		-	-	-	INTERNAL	
Solvents retention		ppm	N.R.	-	Giflex n° 6	

FILM and ROLL'S CHARACTERISTICS:

		Unit	Value	Tolerance	Test method
Core int. diameter (min – max)		mm	76 – 152	± 3	-
Maximum ex. Diameter		mm	1000	-	-

AKES

Plastic film applications

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	Unit	Value	Tolerance	Test method
Maximum film width	mm	1550	- 0 + 5	-
Film thickness (min – max)	micron	161 – 240	± 4% Note ²	ASTM D 6988-03
Unit Weight	g/m ² μ	0,928	± 10%	Giflex n° 1
Kinetic C.O.F. (Film/Film)	-	0,50	Note ³	ASTM D 1894

SHELF LIFE:

We recommend to use our product within twelve months by the date printed on the label. The product has to be stored in the range of temperature 15°C<T< 30°C, RH 40-70%, not exposed to direct sunlight or heat sources.

¹ In white films the density value grows.

² Thickness tolerance: according to GIFLEX specification.

³ According to GIFLEX specification. Your requests for different C.O.F. will be valued by our R&D.

In coloured films the C.O.F. value could increase (only few points).

* Indicative values: in dependence of blow-up ratio.

HANDLING and STORAGE:

Handle the pallets with care. Store in a cool and well ventilated place far from incompatible material. Do not handle, store or open near to naked flames, sources of heat or ignition. Protect the material from direct sunlight. The material will accumulate electrostatic charges which can cause sparks (a source of ignition). Don't place more than two pallets on.

CAUTION:

Adhesives, hardeners, special converting conditions jointly to printing inks and corresponding additives can generate dramatic variations of sealing performances and COF values. These components can also create smell and substances not predicted in converting specifications: polyethylene is not responsible but, due to its permeability, just the reaction place of these unforeseen phenomena.

Akes Film take no responsibility on these issues.

Our consulting and declaration activities (written or under verbal forms) are based on our best experiences. However they must not be considered as guarantee of specific performances, so doing customers should evaluate the products for the own specific uses and processing parameters. Applications, uses and transformation take place outside of our specific control and they are under specific customers' responsibility.