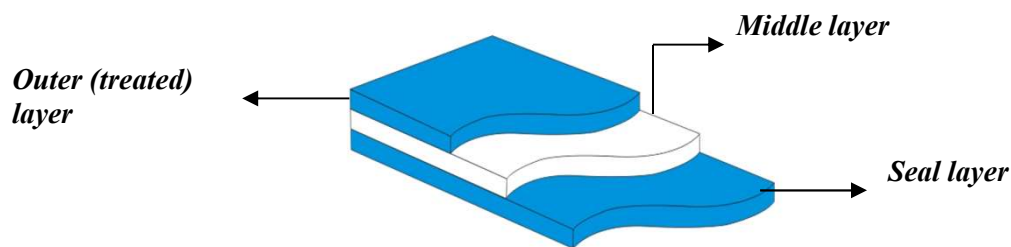


TECHNICAL SPECIFICATION

ML534

CONSTRUCTION



FEATURES AND APPLICATIONS

- mLLDPE based film
- Suitable for high speed machines.
- Suitable for both HFFS and VFFS machines.
- Suitable for PET, OPP, PVC, Metallized PET, Al, OPA lamination.
- Suitable for pet food, powdered food and detergent packaging.
- Improved tear and puncture resistance.
- Improved Hot-tack properties.
- Improved gloss property.

CERTIFICATION

Films comply with the requirements "COMMISSION REGULATION (EU) No 10/2011 on plastic materials and articles intended to come into contact with food". All films are produced in ISO 9001, ISO14001 certified facilities and have been approved by the British Retail Consortium (BRC).

PRODUCT and FOOD SAFETY

For more information please request Material Safety Data Sheet (MSDS) and Food Contact Declaration.

SHELF LIFE and STORAGE

The shelf life of the product is 6 months after production if it is stored in dry conditions, away from exposure to direct sunlight and at normal room conditions.

PROPERTIES							
Parameter	Unit		Value			Test Method	
Thickness	micron		30	35	40	BAREKS TEST	
	gauge		120	140	160		
Density	g/cm ³		0,925	0,925	0,925	BAREKS TEST	
Yield	m ² /kg		36,04	30,89	27,03	BAREKS TEST	
CoF	ln / ln		≤ 0,3			ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	20,5	22	24	ASTM D882
	TD		± 6	18,1	20	21	
Elongation at Break	MD	mm	± 100	220	230	240	ASTM D882
	TD		± 100	320	325	330	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	14,2	19	20	BAREKS TEST
		mm	± 50	120	130	130	
Gloss	≥%		80	80	80	ASTM D2457	
Haze	≤%		16	16	16	ASTM D1003	
Clarity	≥%		90	90	90		
Transmittance	≥%		85	85	85		

The above information is the result of laboratory tests, which are applied on samples from standard production. Since the varying conditions under which our products used are beyond our control, all of the above results are without guarantee and warranty. Users are advised to conduct their own testing of our products to determine suitability for use alone or in combination with other products.

PROPERTIES							
Parameter	Unit		Value			Test Method	
Thickness	micron		45	50	55	BAREKS TEST	
	gauge		180	200	220		
Density	g/cm ³		0,925	0,925	0,925	BAREKS TEST	
Yield	m ² /kg		24,02	21,62	19,66	BAREKS TEST	
CoF	ln / ln		≤ 0,3			ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	26	34	42	ASTM D882
	TD		± 6	22	29	33	
Elongation at Break	MD	mm	± 100	280	330	370	ASTM D882
	TD		± 100	380	470	500	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	20,3	23	24	BAREKS TEST
		mm	± 50	135	140	160	
Gloss	≥%		80	80	80	ASTM D2457	
Haze	≤%		16	16	16	ASTM D1003	
Clarity	≥%		90	90	90		
Transmittance	≥%		85	85	85		

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PROPERTIES							
Parameter	Unit		Value			Test Method	
Thickness	micron		60	70	75	BAREKS TEST	
	gauge		240	280	300		
Density	g/cm ³		0,925	0,925	0,925	BAREKS TEST	
Yield	m ² /kg		18,02	15,44	14,41	BAREKS TEST	
CoF	ln / ln		≤ 0,3			ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	45,9	46,1	49,1	ASTM D882
	TD		± 6	35,1	42	45	
Elongation at Break	MD	mm	± 100	440	445	445	ASTM D882
	TD		± 100	520	525	525	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	26,3	29,1	30,2	BAREKS TEST
		mm	± 50	170	170	170	
Gloss	≥%		80	80	80	ASTM D2457	
Haze	≤%		16	16	16	ASTM D1003	
Clarity	≥%		90	90	90		
Transmittance	≥%		85	85	85		

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PROPERTIES							
Parameter	Unit		Value			Test Method	
Thickness	micron		80	90	100	BAREKS TEST	
	gauge		320	360	400		
Density	g/cm ³		0,925	0,925	0,925	BAREKS TEST	
Yield	m ² /kg		13,51	12,01	10,81	BAREKS TEST	
CoF	ln / ln		≤ 0,3			ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	56	62	70	ASTM D882
	TD		± 6	50	54	56	
Elongation at Break	MD	mm	± 100	445	450	520	ASTM D882
	TD		± 100	525	530	530	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	32,7	36,3	37	BAREKS TEST
		mm	± 50	170	170	170	
Gloss	≥%		80	80	75	ASTM D2457	
Haze	≤%		16	18	26	ASTM D1003	
Clarity	≥%		90	90	90		
Transmittance	≥%		85	85	85		

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PROPERTIES								
Parameter	Unit		Value				Test Method	
Thickness	micron		110	120	130	135	BAREKS TEST	
	gauge		440	480	520	540		
Density	g/cm ³		0,925	0,925	0,925	0,925	BAREKS TEST	
Yield	m ² /kg		9,83	9,01	8,32	8,01	BAREKS TEST	
CoF	ln / ln		≤ 0,3				ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	74	78	85	90	ASTM D882
	TD		± 6	65	69	70	72	
Elongation at Break	MD	mm	± 100	530	540	550	550	ASTM D882
	TD		± 100	540	550	570	580	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	38	40	43	44	BAREKS TEST
		mm	± 50	175	180	185	185	
Gloss	≥%		75	75	75	75	ASTM D2457	
Haze	≤%		26	26	26	26	ASTM D1003	
Clarity	≥%		90	90	90	90		
Transmittance	≥%		85	85	85	85		

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PROPERTIES						
Parameter	Unit		Value		Test Method	
Thickness	micron		140	150	BAREKS TEST	
	gauge		560	600		
Density	g/cm ³		0,925	0,925	BAREKS TEST	
Yield	m ² /kg		7,72	7,21	BAREKS TEST	
CoF	ln / ln		≤ 0,3		ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	93	95	ASTM D882
	TD		± 6	79	83	
Elongation at Break	MD	mm	± 100	550	560	ASTM D882
	TD		± 100	590	600	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	44,5	47	BAREKS TEST
		mm	± 50	185	190	
Gloss	≥%		75	75	ASTM D2457	
Haze	≤%		26	26	ASTM D1003	
Clarity	≥%		90	90		
Transmittance	≥%		85	85		

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