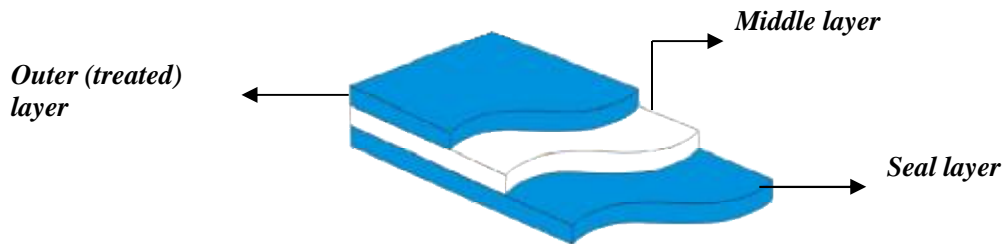


TECHNICAL SPECIFICATION

ML531SA**CONSTRUCTION****FEATURES AND APPLICATIONS**

- Suitable for high speed machines.
- Suitable for both HFFS and VFFS machines.
- Suitable for PET, OPP, PVC, Metallized PET, Metalized OPP, Al, OPA or paper lamination.
- Improved tear and puncture resistance.
- Improved Hot-tack properties.
- High gloss value.
- Suitable for powdered food packaging.
- Low COF value.

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 certified facilities and have been approved by the British Retail Consortium (BRC).

PRODUCT SAFETY

For more information about our product, please read our Material Safety Data Sheet (MSDS).

PROPERTIES							
Parameter	Unit		Value			Test Method	
Thickness	micron		30	35	40	BAREKS TEST	
	gauge		120	140	160		
Density	g/cm ³		0,919	0,919	0,919	BAREKS TEST	
Yield	m ² /kg		36,27	31,09	27,20	BAREKS TEST	
CoF	In / In		≤ 0,23			ASTM D1894	
	In / Metal		≤ 0,23				
Tensile Strength	MD	N /25 mm	± 6	17,2	22,1	24,6	ASTM D882
	TD		± 6	13,2	16,3	18,4	
Elongation at Break	MD	mm	± 100	210	250	270	ASTM D882
	TD		± 100	370	470	535	
Seal Strength / Elongation	3 bar 130°C 0,8 sec	N /25 mm	± 3	17,2	17,8	19,2	BAREKS TEST
		mm	± 50	110	150	160	
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		50	60	70	BAREKS TEST	
	gauge		200	240	280		
Density	g/cm ³		0,919	0,919	0,919	BAREKS TEST	
Yield	m ² /kg		21,76	18,14	15,54	BAREKS TEST	
CoF	In / In		≤ 0,23			ASTM D1894	
	In / Metal		≤ 0,23				
Tensile Strength	MD	N /25 mm	± 6	28,2	36,2	40,2	ASTM D882
	TD		± 6	25,1	28,3	29,8	
Elongation at Break	MD	mm	± 100	320	350	400	ASTM D882
	TD		± 100	520	540	570	
Seal Strength / Elongation	3 bar 130°C 0,8 sec	N /25 mm	± 3	20,6	25,4	26,8	BAREKS TEST
		mm	± 50	175	180	230	
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	85	100	BAREKS TEST	
	gauge		320	340	400		
Density	g/cm ³		0,919	0,919	0,919	BAREKS TEST	
Yield	m ² /kg		13,60	12,80	10,88	BAREKS TEST	
CoF	In / In		≤ 0,23			ASTM D1894	
	In / Metal		≤ 0,23				
Tensile Strength	MD	N /25 mm	± 6	58,8	59,1	60,1	ASTM D882
	TD		± 6	53,3	54,7	56,3	
Elongation at Break	MD	mm	± 100	420	430	450	ASTM D882
	TD		± 100	570	570	570	
Seal Strength / Elongation	3 bar 130°C 0,8 sec	N /25 mm	± 3	30,2	32	35	BAREKS TEST
		mm	± 50	250	270	280	
Gloss	≥%		80	80	80	ASTM D2457	
Haze	≤%		16	16	16	ASTM D1003	
Clarity	≥%		90	90	90		
Transmittance	≥%		85	85	85		

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