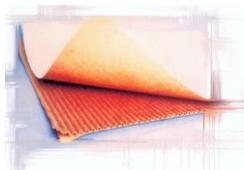




MA-ESP-LAB-0002 - Klabin Liner Board -  
KlaLiner - LLB

Version: 16  
Date: 2014, Dez, 22



**Product description:** Paper furnish obtained from the kraft process, with natural long fibers in the top ply and a mixture of short and long fibers in the bottom ply. Klabin linerboard has been approved by ISEGA after analysis of several parameters in conformity with Code of Federal Regulations, Food and Drugs (FDA), 21 CFR Ch. I (1 April 2004 edition), § 176.170.

**Performance:** Excellent ring crush test, short compression test and moisture profile.

**Applications:** Product developed to assure both excellent stacking strength and printability.

Property	Unit	Method	Basis Weights															
			90	100	110	125	135	140	150	170	186	200	240	280	300	400	420	440
Moisture	%	On-Line	7.5															
Air Resistance (Gurley)	s/dL	Tappi T-460	35															
Cobb (120 s)	gH <sub>2</sub> O/m <sup>2</sup>	Tappi T-441	40															
Burst	kPa	Tappi T-807	410	420	435	500	575	580	610	715	750	810	1030	1170	1200	1350	1380	1430
SCT CD	kN/m	Tappi T-826	2,10	2,20	2,30	2,60	2,70	2,75	3,00	3,40	3,60	4,10	4,45	5,20	5,50	7,45	7,80	8,20
RCT CD	kN/m	Tappi T-818	0,70	0,90	1,10	1,40	1,50	1,55	1,70	2,15	2,40	2,65	3,20	3,85	4,10	5,30	5,40	5,60

- . Lab. conditions: 23 ± 1°C and 50 ± 2% R. H.;
- . The specification is valid for PM 1, 6, 12 and 13;
- . PM 6: Single ply machine;
- . The above are typical values;
- . Maximum basis weight tolerance: ± 3,5%;
- . KlaLiner is not proper for sheeter process.

The shelf life of this product is fully guaranteed as long as the storage conditions are observed (no exposure to rain or moisture).