



Product description: Board furnish consists of virgin fibers obtained from kraft process and high yield pulp. The bottom ply is composed of unbleached long fiber, the middle ply of a mixture of short, long and CTMP and the top ply of *ECF "Elementary Chlorine Free"* bleached short fiber pulp with a triple clay coating on top.

Performance: Excellent stiffness and printability for off-set, rotogravure and flexography.

Product applications: KlaFold is recommended for all kinds of packaging where stiffness and printing properties are essential. KlaFold is approved by ISEGA for direct food contact.

Applications: food products, micro-corrugated items, blisters, household electric appliances, cine and photo equipment, home utensils, glassware and crystal ware, toys and automotive parts.

Property			Unit	Method	Tolerance	185	220	250	275	295	310	340	360
Grammage			g/m ²	Tappi T-410	5%	185	220	250	275	295	310	340	360
Basis Weight			Lbs/msf	Calculated		37,9	45,1	51,2	56,4	60,5	63,5	69,7	73,8
Thickness			µm	ISO 534		265	340	395	430	470	510	570	600
Caliper			Mills	Calculated		10,4	13,4	15,6	16,9	18,5	20,1	22,4	23,6
Stiffness	L&W 15°	MD	mN	Tappi T-556	15%	90	203	296	390	495	612	825	1000
		CD				40	85	129	173	220	276	360	420
		MD	mN.m	Calculated		4,5	10,2	14,8	19,5	24,8	30,6	41,3	50,0
		CD				2,0	4,3	6,5	8,7	11,0	13,8	18,0	21,0
	L&W 5°	MD	mN	Tappi T-556		32	71	104	137	173	214	289	350
		CD				14	30	45	61	77	97	126	147
		MD	mN.m	Calculated		1,6	3,6	5,2	6,8	8,7	10,7	14,4	17,5
		CD				0,7	1,5	2,3	3,0	3,9	4,8	6,3	7,4
	Taber 15°	MD	gf.cm	Calculated		44	100	146	192	244	301	406	493
		CD				20	42	64	85	108	136	177	207
		MD	mN.m	Calculated		4,3	9,8	14,3	18,8	23,9	29,6	39,9	48,3
		CD				1,9	4,1	6,2	8,4	10,6	13,3	17,4	20,3
Moisture			%	On-Line	±2,0	7,5							
PPS			µm	ISO 8791-4	<3,0	1,5							
Roughness Bendtsen			Top	mL/min	ISO 8791-2	<300							
Roughness Sheffield						<177							
Cobb Test						gH ₂ O/m ²	Tappi T-441	±40%					
Color	L	-	-	ISO 2469	±0,7								
	a*				±0,25								
	b*				±0,50								

. Lab. conditions: 23 ± 1°C and 50 ± 2% R.H.;
 . Stiffness is mesasured at 15 degrees;
 . Tolerances based upon 95% confidence limits;
 . Comma (,) applies to decimals;
 . Dot (.) applies to thousands.

Environment: Klabin's forestry and industrial operations are based on the concept of sustainable development, aiming to preserve the biodiversity and balance in its ecosystems. The company is Forest Stewardship Council, ISO 9001, ISO 14001, ISO 22000 and OHSAS 18001 certified.