



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	80mN	150mN	200mN	260mN	330mm	410mN	545mN	650mN	
Bending resistance L&W 15°	GM	mN	Tappi T-556	-15%	80	150	200	260	330	410	545	650
	MD				124	230	303	390	495	612	825	1000
	CD				52	98	132	173	220	275	360	422
Bending resistance L&W 5°	GM	mN	Tappi T-556		28	53	70	91	116	144	191	227
	MD				43	81	106	137	173	214	289	350
	CD				18	34	46	61	77	96	126	148
Bending stiffness DIN 5°	GM	mN.m	Calculated		7,0	13,1	17,5	22,7	28,9	35,9	47,7	56,9
	MD				10,9	20,1	26,5	34,1	43,3	53,6	72,2	87,6
	CD				4,6	8,6	11,6	15,1	19,3	24,1	31,5	36,9
Bending moment Taber 15°	GM	gf.cm	Calculated		40	74	99	128	163	202	268	320
	MD				61	113	149	192	244	301	406	493
	CD				26	48	65	85	108	135	177	208
Bending moment Taber 15°	GM	mN.m	Calculated	3,9	7,3	9,7	12,5	15,9	19,8	26,3	31,4	
	MD			6,0	11,1	14,6	18,8	23,9	29,6	39,9	48,3	
	CD			2,5	4,7	6,4	8,4	10,6	13,3	17,4	20,4	
Grammage	g/m²	Tappi T-410	±5%	192	227	242	262	280	296	320	341	
Basis Weight	Lbs/msf	Calculated		39,3	46,5	49,6	53,7	57,3	60,6	65,5	69,8	
Thickness	µm	ISO 534		272	335	385	410	450	485	530	560	
Caliper	Mills	Calculated		10,7	13,2	15,2	16,1	17,7	19,1	20,9	22,0	
Moisture	%	On-Line	Minimum	5,5								
			Nominal	7,5								
			Maximum	9,5								
PPS	Top	µm	ISO 8791-4	<3,0								
Roughness Bendsen			ISO 8791-2	100								
Roughness Sheffield			<177									
Cobb Test			gH ₂ O/m²	Tappi T-441	±40%							
Color	L	-	-	ISO 2469	±0,7							93,2
	a*			±0,25							0,00	
	b*			±0,50							2,20	

- . Test climate 23 ± 1°C and 50 ± 2% R.H.
- . Tolerances based upon 95% confidence limits.
- . Bending moment Taber 15° calculated from Bending resistance L&W 15°.
- . Bending stiffness DIN 5° calculated from Bending resistance L&W 5°.

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