

Product: Klafold

Category: Packaging - Cartonboard

Country of Origin: Brazil

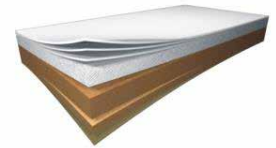
Technical specifications:

Product description

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

Performance

Excellent stiffness and printability for offset, rotogravure and flexography.



Product applications

Recommended for all kinds of packaging where stiffness and printing properties are essential. Approved by ISEGA for direct food contact.

Property		Unit	Method	Tolerance	205	227	233	250	276	285	312	332	360
Grammage		g/m ²	Tappi T-410	Nominal	205	227	233	250	276	285	312	332	360
				Minimum	195	216	221	238	262	271	296	315	342
				Maximum	215	238	245	263	290	299	328	349	278
Basis Weight		lbs/msf	Calculated	Nominal	42.0	46.5	47.7	51.2	56.5	58.4	63.9	68.0	73.7
				Minimum	39.0	43.2	44.4	47.6	52.6	54.3	59.4	63.2	68.6
				Maximum	44.9	49.7	51.1	54.8	60.5	62.5	68.5	72.8	78.9
Thickness		µm	ISO 534	Nominal	252	288	328	375	393	455	505	540	600
				Minimum	239	274	312	356	373	432	480	513	570
				Maximum	265	302	344	394	413	478	530	567	630
Caliper		Mills	Calculated	Nominal	9.9	11.3	12.9	14.8	15.5	17.9	19.9	21.3	23.6
				Minimum	9.2	10.5	12.0	13.7	14.1	16.3	18.1	19.3	21.5
				Maximum	10.6	12.1	13.8	15.8	16.9	19.5	21.7	23.2	25.7
Bending resistance L&W 15°	GM	mN	Tappo T-556	-15%	80	115	150	200	260	395	545	650	739
	MD				124	187	230	303	390	595	825	1000	1050
	CD				52	71	98	132	173	262	360	422	520
Bending resistance L&W 5°	GM	mN	Tappo T-556		28	40	53	70	91	138	191	228	259
	MD				43	65	81	106	137	208	289	350	368
	CD				18	25	34	46	61	92	126	148	182
Bending stiffness DIN 5°	GM	mN.m	Calculated		7.0	10.1	13.1	17.5	22.8	34.6	47.7	56.9	64.7
	MD				10.9	16.4	20.1	26.5	34.1	52.1	72.2	87.6	91.9
	CD				4.6	6.2	8.6	11.6	15.1	22.9	31.5	36.9	45.5
Bending moment Taber 15°	GM	gf.cm	Calculated		39	57	74	99	128	195	268	320	364
	MD				61	92	113	149	192	293	406	493	517
	CD				26	35	48	65	85	129	177	208	256
	GM			3.9	5.6	7.2	9.7	12.6	19.1	26.3	31.4	35.7	
	MD			6.0	9.0	11.1	14.6	18.8	28.7	39.9	48.3	50.7	
	CD	2.5	3.4	4.7	6.4	8.4	12.7	17.4	20.4	25.1			
Moisture		%	On-Line	±2.0					7.5				
PPS		µm	ISO 8791-4	<3.0					1.5				
Roughness Bendtsen		mL/min	ISO 8791-2	<300					100				
Roughness Sheffield				<197					74				
Cobb Test		gH ₂ O/m ²	Tappi T-441	±40%					40				
Colour	L	-	ISO 2469	±0.7					92.7				
	a*			±0.25					0.0				
	b*			±0.50					2.2				

- 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°.
- Specification subject to revision.

Updated: 02.2020

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