

CKB COATED KRAFT BACK BOARD

Technical Data Sheet

PRODUCT	GRADE / FINISH
CKB COATED KRAFT BACK BOARD	200-350 gsm Triple Clay Coated Top

DIMENSIONAL AND OPTICAL PROPERTIES

PARAMETER	200	235	245	255	280	300	325	350
Basis Weight (gsm)	200	235	245	255	280	300	325	350
Caliper (pt)	12±0.5	14±0.5	15±0.5	16±0.5	18±0.6	20±0.6	22±1	24±1
Caliper (µm)	305±13	356±13	381±13	406±13	458±15	508±15	559±25	610±25
ISO Brightness (%)	85±2	85±2	85±2	85±2	85±2	85±2	85±2	85±2
Bulk (cm³/g, calculated)	1.53	1.51	1.56	1.59	1.64	1.69	1.72	1.74
Gloss 75° (%)	≥45	≥45	≥45	≥45	≥45	≥45	≥45	≥45
Ink Absorption (%)	20±3	20±3	22±3	22±3	22±3	22±3	22±3	22±3
Moisture (%)	7.5±0.5	7.5±0.5	7.5±0.5	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1

STIFFNESS AND BOND PROPERTIES

PARAMETER	200	235	245	255	280	300	325	350
Bending Stiffness MD (mN·m)	9	11	15	17	24	29	36	42
Bending Stiffness CD (mN·m)	4.5	6	7.5	9	11	14	17	20
Taber Stiffness MD (gf·cm)	110	122	145	168	238	292	397	428
Taber Stiffness CD (gf·cm)	60	72	82	87	112	140	186	204
Internal Bond (J/m²)	≥150	≥150	≥150	≥130	≥130	≥130	≥130	≥130

CKB COATED KRAFT BACK BOARD CONTINUED

TEAR AND CONVERTING PERFORMANCE

PARAMETER	200	235	245	255	280	300	325	350
Tear Dry MD (gf)	138	150	160	167	180	207	268	288
Tear Dry CD (gf)	135	148	161	168	197	224	229	252
Tear Wet MD (gf)	35	42	48	51	59	68	73	84
Tear Wet CD (gf)	39	45	50	55	74	75	84	92
Surface Printing Intensity (m/s)	≥1.5	≥1.5	≥1.5	≥1.5	≥1.5	≥1.5	≥1.5	≥1.5
Folding Endurance (times)	≥100	≥100	≥100	≥100	≥100	≥100	≥100	≥100
Bursting Index (kPa·m ² /g)	2	2	2	2	2	2	2	2
Ring Crush Index (N·m/g)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Tearing Strength (mN)	1400	1700	1800	1900	2100	2400	2600	3600
Water Absorption (g/m ²)	≤30	≤35	≤35	≤35	≤35	≤35	≤35	≤35

METHODS AND INTENDED APPLICATIONS

METHOD	APPLICATION
ISO 536	Basis weight
ISO 534	Caliper and source-listed bulk
ISO 2470-1	ISO brightness
ISO 2493 / TAPPI T489	Bending / Taber stiffness
TAPPI T414	Dry and wet tear
ISO 8254 / K&N	Gloss / ink absorption
TAPPI T833 pm-94	Internal bond
ISO 3783	Surface printing intensity

Bulk is calculated from the nominal values using caliper (μm) ÷ basis weight (g/m²) and rounded to two decimal places. Construction and use statement from the source: triple clay-coated top over bleached chemical pulp, mechanical pulp and unbleached kraft layers with sizing; intended for folding cartons, beverage and dry-food packaging, frozen or cold-storage packaging and other consumer-product cartons. Source test condition is printed as 23±10°C and 50±2% RH and should be confirmed.