

SPECIFICATION SHEET (EXPORT QUALITY)

GREY BACK (H.W.C)

SUBSTANCE (g/m ²)	BULK (cc/gm)	CALIPER (microns)	TABER STIFFNESS (gm.cm)	
			MD	CD
230	1.21	278	48	20
250	1.21	303	60	24
260	1.21	315	65	26
285	1.23	350	91	37
300	1.24	372	108	43
310	1.25	388	124	49
320	1.25	400	134	55
330	1.26	416	146	59
350	1.27	445	170	67
360	1.27	457	191	76
380	1.27	482	216	87
400	1.27	508	242	98
420	1.28	538	273	108
450	1.28	575	330	132
500	1.28	640	390	155
(+/-3%)	(+/-5%)	(+/-5%)	(±-10%)	

PARAMETER	UNIT	VALUE
COBB (TOP)	g/m ²	30-40
COBB (BOTTOM)	g/m ²	35-50
BRIGHTNESS	%	77 (+/- 1)
GLOSS	%	40 (+/- 5)
PPS ROUGHNESS	microns	< 3.0
IGT DRY PICK VEL.	m/sec	> 0.7
PLY BOND (SCOTT)	ft.lb in thousandths	> 65
BURST FACTOR		> 16
SOAT	sec	250

APPLICATION / FEATURES

1. Suitable for offset and gravure printing.
2. High value consumer packaging.
3. Pharmaceutical Cartons.
4. Advertising pamphlets and book covers.
5. CFTRI, RoHS, REACH Compliance to regulatory norms.
6. Free from flavour and odour.
7. Low level of heavy metals content.
8. No detectable levels of Dioxin.

BOARD CONSTRUCTION

	Top coat with blade – 10 (+/- 1) g/m ²
	Pre coat – 10 (+/- 1) g/m ²
	Surface Sized
	Top/ Under Layer – Recycled White pulp
	Filler Layer – Recycled Grey Pulp
	Back Layer – Recycled Grey Pulp
	Surface Sized

SPECIFICATION SHEET

SILIKA (FULLY COATED WHITE BACK)

SUBSTANCE (g/m ²)	BULK (cc/gm)	CALIPER (microns)	TABER STIFFNESS (gm.cm)	
			MD	CD
230	1.10	253	40	16
250	1.12	280	50	20
260	1.12	291	55	22
285	1.13	320	80	32
300	1.14	342	100	40
310	1.14	353	110	44
320	1.14	365	120	48
330	1.14	376	125	50
350	1.15	402	145	58
360	1.16	414	160	66
380	1.16	441	190	76
400	1.16	464	220	90
420	1.16	491	245	98
450	1.16	526	280	112.
(+/-3%)	(+/-5%)	(+/-5%)	(+/-10%)	

PARAMETER	UNIT	VALUE	APPLICATION / FEATURES
COBB (TOP)	g/m ²	30-40	1. Suitable for offset and gravure printing.
COBB (BOTTOM)	g/m ²	35-50	2. High value consumer packaging.
BRIGHTNESS (TOP)	%	78 (+/- 1)	3. Pharmaceutical Cartons.
BRIGHTNESS (BOTTOM)	%	72 (+/- 1)	4. Advertising pamphlets and book covers.
GLOSS	%	40 (+/- 5)	5. CFTRI, RoHS, REACH Compliance to regulatory norms.
PPS ROUGHNESS	microns	< 3.0	6. Free from flavour and odour.
IGT DRY PICK VEL.	m/sec	> 0.7	7. Low level of heavy metals content.
PLY BOND (SCOTT)	ft.lb in thousandths	> 65	8. No detectable levels of Dioxin.
BURST FACTOR		> 16	
SOAT	sec	250	

BOARD CONSTRUCTION

	Top coat with blade – 10 (+/- 1) g/m ²
	Pre coat – 10 (+/- 1) g/m ²
	Surface Sized
	Top/ Under Layer – Recycled White pulp
	Filler Layer – Recycled Grey Pulp
	Top/ Under Layer – Recycled White pulp
	Surface Sized
	Back Coat - 9 (+/- 1) g/m ²

QUALITY TECHNICAL DATA

© COMMODITY : "TIGER" SC Manila(DUPLEX BOARD WITH GREY BACK)

TEST ITEM	UNIT	STANDARD & RANGE												TEST METHOD	
Substance	g/m ²	220	230	240	250	260	280	300	320	350	400	450	500	KS M ISO 536:2006	
		225	230	240	250	260	280	300	325	354	403	452	503		
		±4%													
Thickness	µm	265	275	280	295	310	340	370	400	440	505	573	640	KS M ISO 534:2006	
		±10 µm													
Moisture	%	6.0 ±0.5			6.2 ±0.5			6.8 ±0.5			7.3 ±0.5	8.0 ±0.5	8.5 ±0.5		KS M ISO 287:2006
Stiffness	MD/CD	45/ 16	48/ 18	52/ 20	60/ 25	65/ 28	85/ 35	105/ 45	140/ 55	180/ 70	250/ 100	300/ 130	420/ 180	KS M ISO 2493:2006	
	(g/cm)	UP													
Folding Strength	MD/CD (time)	15 UP / 7 UP										10 UP / 5 UP		KS M ISO 5626:2006	
Smoothness	sec	300						280		270	250	220	200	KS M ISO 8791:2008	
		UP													
Brightness	%	77.0 UP												KS M ISO 2470:2006	
Whiteness	%	87 UP												HUNTER TESTER	
Paper-Gloss	%	65 ± 5												KS M ISO 8254-2:2004	
Picking (Fine Wax)	A	8 UP												KS M 7050:2004	
COBB	g/m ²	60 ± 30												KS M ISO 535:2006	
K.N. Drop	%	10 ± 5												K.N.INK ABSORPTION	
Test Condition		50% r.h / 23 °C												KS M ISO 187:2006	