

# CLAYMORE

PAPER & PACKAGING (PTY) LTD

SUPPLIERS OF PACKAGING SUBSTRATES

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WE GUARANTEE PRODUCT QUALITY AND PERSONALISED SERVICE TOGETHER WITH SUPERIOR TECHNICAL SUPPORT.

## MEYR-MELNHOF KARTON

### 1) FACTS SPECIALITIES

GEWICHT / GRAMMAGE	DICKE / CALIPER	VOLUMEN / BULK	STEIFIGKEIT / STIFFNESS / RIGIDITÉ					
			L + W 5*		L + W √(MD X CD)	TABER I 5*		
GRAMMAGE	EPAISSEUR	MAIN	LÄNGS/MD/SM	QUER/CD/ST		MNM	MNM	LÄNGS/MD/SM
g/m <sup>2</sup>	PM	CM <sup>3</sup> /G	MNM	MNM	MNM	MNM	MNM	MNM
230	290	1.26	10.1	4.6	6.8	5.4	2.5	
250	340	1.36	15.4	7.0	10.4	7.5	3.4	
280	380	1.36	20.9	9.5	14.1	10.7	4.9	
300	410	1.37	24.7	11.2	16.6	12.6	5.8	
320	435	1.36	31.8	13.3	20.6	16.2	6.4	
350	490	1.40	42.0	17.0	26.7	20.6	7.8	
380	540	1.42	53.0	21.2	33.5	25.2	10.1	
400	565	1.41	60.9	24.4	38.5	28.0	11.3	
450	625	1.39	77.9	31.2	49.3	37.5	15.0	

WEIßGRAD / BRIGHTNESS / DEGRÉ DE BLANCHEUR:	82 - 1 / + 1 ELREPHOVS(TOP/RECTO)
MEßMETHODE / TESTING METHOD / MÉTHODE D'ESSAI	TOLERANZEN / TOLERANCES / TOLÉRANCES
PROBENAHME / SAMPELING / ÉCHANTILLONAGE:	PRÜFKLIMA / TESTING CLIMATE / ATMOSPHÈRE CONDITIONNÉE: EN ISO 188 23 +/- 1°C 50 +/- 2% RH / HR
GEWICHT / GRAMMAGE / GRAMMAGE:	EN ISO 536 -2% / + 2%
STEIFIGKEIT / STIFFNESS / RIGIDITÉ:	DIN 53121 -5%
DICKE / CALIPER / ÉPAISSEUR:	EN 20534 +/- 5%
VOLUMEN / BULK / MAIN:	+/- 5%

### 2) MULTICOLOR MIRABELL - MCM / Gd2 (GREYBACK)

GEWICHT / GRAMMAGE	DICKE / CALIPER	VOLUMEN / BULK	STEIFIGKEIT / STIFFNESS / RIGIDITÉ					
			L + W 5*		L + W √(MD X CD)	TABER I 5*		
GRAMMAGE	EPAISSEUR	MAIN	LÄNGS/MD/SM	QUER/CD/ST		MNM	MNM	LÄNGS/MD/SM
g/m <sup>2</sup>	PM	CM <sup>3</sup> /G	MNM	MNM	MNM	MNM	MNM	MNM
450	625	1.39	81.0	30.0	49.3	38.2	14.7	
500	690	1.38	100.0	37.0	60.8	49.0	18.0	
550	760	1.38	128.0	46.0	76.7	63.0	23.0	
600	830	1.38	158.0	56.0	94.1	76.0	27.0	
650	900	1.38	185.0	70.0	113.8	86.0	35.0	

WEIßGRAD / BRIGHTNESS / DEGRÉ DE BLANCHEUR:	82 - 1 / + 1 ELREPHOVS(TOP/RECTO)
MEßMETHODE / TESTING METHOD / MÉTHODE D'ESSAI	TOLERANZEN / TOLERANCES / TOLÉRANCES
PROBENAHME / SAMPELING / ÉCHANTILLONAGE:	PRÜFKLIMA / TESTING CLIMATE / ATMOSPHÈRE CONDITIONNÉE: EN ISO 188 23 +/- 1°C 50 +/- 2% RH / HR
GEWICHT / GRAMMAGE / GRAMMAGE:	EN ISO 536 -2% / + 2%
STEIFIGKEIT / STIFFNESS / RIGIDITÉ:	DIN 53121 -5%
DICKE / CALIPER / ÉPAISSEUR:	EN 20534 +/- 5%
VOLUMEN / BULK / MAIN:	+/- 5%

IN EUROPE, THE EIGHT MAYR-MELNHOF CARTONBOARD MILLS WORK HARD TO SATISFY CUSTOMER NEEDS. THE WIDE-RANGING, HIGH QUALITY RECYCLED AND VIRGIN FIBRE BOARD PRODUCTS ARE USED IN BOTH FOOD AND NON-FOOD PACKAGING APPLICATIONS.

### 3) PRODUCT OVERVIEW

	GC1	GC2	GC3	UC2	GT1	GT2	GT3	GT4	GD2	GD3	LIN	GK
FRAHLEITEN					•	•	•		•	•	•	
HIRSCHWANG						•	•	•	•	•		•
NEUSES										•	•	
BAIERSBRONN	•	•		•								
EERBEEK	•	•	•									
DEISSWIL	•	•				•		•	•	•	•	•
KOLICEVO		•				•		•	•	•	•	•
GERNSBACH						•		•	•	•		•

### CERTIFICATIONS:

ISO 9001, ISO 14001, HACCP, EMAS  
CERTIFICATES ARE AVAILABLE ON REQUEST

## GEORGIA PACIFIC

A HIGH QUALITY SBS BOARD AND POLY COATED SBS BOARD PRODUCED IN GEORGIA ATLANTA(USA)

### 1) SPECIFICATION SHEET

SBS COATED ON SIDE  
CROSSET, ARKANSAS MILL

GSM (NOMINAL)	236	264	278	293	309	322	353	381	407
LBS / 3MSF (NOMINAL)	145	162	171	180	190	198	217	234	250
UM	305	356	381	406	432	457	508	559	610
INCHES	.012	.014	.015	.016	.017	.018	.020	.022	.024
ISO BRIGHTNESS	84	84	84	84	84	84	84	84	84
SHEFFIELD SMOOTHNESS	25	28	31	34	37	40	45	50	55
ZDT	32	32	32	32	32	32	32	32	32
HUNTER COLOR "B"	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
STIFFNESS MD	85	150	170	200	230	260	340	430	520
STIFFNESS CD	40	70	85	95	110	135	170	215	255
PERCENT MOISTURE	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
GRADE CODE	Fc2145	Fc2162	Fc2171	Fc2180	Fc2190	Fc2198	Fc2217	Fc2234	Fc2250

POLYBOARD: BASEBOARD: AS PER ABOVE. COATING: TWO SIDE COATED POLYBOARD HAS 17.5 GSM POLYETHYLENE COATING GLOSS ON THE PRINT SIDE AND 17.5 GSM POLYETHYLENE COATING MATT ON THE REVERSE, THIS ADDING 35GSM TO THE ABOVE BASE BOARD.

CERTIFICATIONS: ISO 9001, ISO 14001, HACCP, EMAS

## PT SURYA PAMENANG-INDONESIA

ESPRIME - COATED FOLDING BOX BOARD IS A HIGH QUALITY VIRGIN FIBRE FOLDING BOX BOARD WITH EXCEPTIONAL PRINT, CUTTING AND CREASING CAPABILITIES IDEAL FOR CARTON PRODUCTION AND BOOK COVERS.

### 1) SPECIFICATION SHEET

PHYSICAL PROPERTIES	UNIT	TOLERANCES	VALUES											
GRAMMAGE	G/M2	+4%	190	210	220	230	250	270	300	350	390	220 NBA	230 NBA	
THICKNESS	µM	+4%	245	285	295	315	345	370	415	500	570	295	315	
BENDING STIFFNESS	MD CD	MN MN	80 40	120 60	140 70	180 80	200 100	280 130	350 175	520 280	780 380	140 70	180 80	
TABER STIFFNESS	MD CD	MNM MNM	4.0 2.0	6.0 3.0	7.0 3.5	8.0 4.0	10.0 5.0	13.0 6.0	17.5 8.5	26.0 13.0	38.0 19.0	7.0 3.5	8.0 4.0	

### PRINTING SIDE PROPERTIES

PROPERTY	UNIT	TOLERANCES	VALUES
COBB 60	G/M2		<45
BRIGHTNESS (ISO)	%		>80
ROUGHNESS (1 MPa)	µM		<1.5
GLOSS 75°	%		>50
SURFACE STRENGTH MD	M/5		≥1
BENDTEN SMOOTHNESS	M/MN		<40
SCOTTBOND	µM2		≥100
MOISTURE	%		5-8

TECHNICAL DATA SHEET OF PRIME QUALITY  
FULLY COATED FOLDING BOXBOARD  
TOP SIDE FULLY COATED, REVERSE SIDE LIGHT COATED

## GREGOIRE LAMINATED CHIP BOARD

GREGOIRE - LOCATED IN NORTH EAST FRANCE, THIS IS ONE OF THE FINEST QUALITY LAMINATED CHIP BOARDS. WITH ITS CONSISTANT QUALITY AND SUPERIOR STIFFNESS, GREGOIRE LAMINATED CHIP IS IDEAL FOR DIARIES AND HARD CASE BOOKS.

### 1) SPECIFICATION SHEET

GREGOIRE GRE GRAPHIC  
CALIPER LIST

	THICKNESS (MM)	WEIGHT GRAMMAGE (G/M2)
UNPASTED	0.80	480
	0.85	510
	0.90	540
	0.95	570
	1.00	600
	1.10	660
	1.15	690
	1.20	720
	1.25	750
	1.30	780
	1.35	810
	1.40	840
	1.45	870
	PASTED	1.50
1.60		960
1.70		1020
1.75		1050
1.80		1080
1.90		1140
2.00		1200
2.10		1260
2.20		1320
2.25		1350
2.30		1380
2.40		1440
(2.45)		(1470)

BASE : 600 G/M2= 1 MM  
THICKNESS TOLERANCE : +/- 0.05 MM  
WEIGHT TOLERANCE : +/- 3%

2.50	1500
2.60	1560
2.70	1620
2.75	1650
2.80	1680
2.90	1740
3.00	1800
3.10	1860
3.20	1920
3.25	1950
3.30	1980
3.40	2040
3.50	2100