

KALLIMA PRODUCTION SPEC SHEETS

Revised 26 April 2010

C1S - One Side Coated KALLIMA

Grade		C1 080	C1 090	C1 100	C1 120	
Basis Mass *	gsm	165 (168)	180 (183)	185 (192)	210 (216)	
Caliper *	micron	203	229	254	305	
Stiffness MD	Taber gf-cm	28	39	47	72	
Stiffness CD	Taber gf-cm	14	17	20	33	
Stiffness MD	mNm	2.74	3.82	4.61	7.06	
Stiffness CD	mNm	1.37	1.67	1.96	3.23	
Brightness - Top	GE %	90	90	90	90	
Brightness - Back	GE %					

C1S FOLDING

Grade		C1 12	C1 15	C1 18		
Basis Mass *	gsm	220 (220)	270 (270)	305 (305)		
Caliper *	micron	305	380	457		
Stiffness MD	Taber gf-cm	73	132	212		
Stiffness CD	Taber gf-cm	36	66	100		
Stiffness MD	mNm	7.15	12.94	20.79		
Stiffness CD	mNm	3.53	6.47	9.80		
Brightness - Top	GE %	86.5	86.5	86.5		
Brightness - Back	GE %					

C1S - PLUS - One side coated KALLIMA with light weight backside coating

Grade		C+ 080	C+ 090	C+ 100	C+ 120	C+ 140
Basis Mass *	gsm	175 (180)	185 (190)	190 (200)	220 (230)	255 (260)
Caliper *	micron	203	229	254	305	356
Stiffness MD	Taber gf-cm	30	39	47	73	118
Stiffness CD	Taber gf-cm	15	17	20	36	55
Stiffness MD	mNm	2.94	3.82	4.61	7.15	11.57
Stiffness CD	mNm	1.47	1.67	1.96	3.53	5.39
Brightness - Top	GE %	90	90	90	90	90
Brightness - Back	GE %	87	87	87	87	87

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C1S - PLUS - HEAT SET - One side coated KALLIMA with light weight backside coating

Grade		C+ 080	C+ 090	C+ 100		
Basis Mass *	gsm	175 (173)	190 (193)	195 (200)		
Caliper *	micron	203	229	254		
Stiffness MD	Taber gf-cm	30	39	47		
Stiffness CD	Taber gf-cm	15	17	20		
Stiffness MD	mNm	2.94	3.82	4.61		
Stiffness CD	mNm	1.47	1.67	1.96		
Brightness - Top	GE %	90	90	90		
Brightness - Back	GE %	87	87	87		

C2S - Two side coated KALLIMA with equal coating on both sides

Grade		C2 080	C2 090	C2 100	C2 120	
Basis Mass *	gsm	185 (196)	200 (217)	215 (225)	250 (255)	
Caliper *	micron	203	229	254	305	
Stiffness MD	Taber gf-cm	30	39	47	73	
Stiffness CD	Taber gf-cm	15	17	20	36	
Stiffness MD	mNm	2.94	3.82	4.61	7.16	
Stiffness CD	mNm	1.47	1.67	1.96	3.53	
Brightness - Top	GE %	90	90	90	90	
Brightness - Back	GE %	90	90	90	90	

C2S - HEAT SET - Two side coated KALLIMA with equal coating on both sides

Grade		C2 080	C2 090	C2 100		
Basis Mass *	gsm	175 (185)	195 (205)	205 (215)		
Caliper *	micron	203	229	254		
Stiffness MD	Taber gf-cm	30	39	47		
Stiffness CD	Taber gf-cm	15	17	20		
Stiffness MD	mNm	2.94	3.82	4.61		
Stiffness CD	mNm	1.47	1.67	1.96		
Brightness - Top	GE %	90	90	90		
Brightness - Back	GE %	90	90	90		

* Mill production tolerance is +/- 5%