



ITC PAPERBOARDS & SPECIALTY PAPERS DIVISION



UNIT BHADRACHALAM

PRODUCT SPECIFICATION SHEET

Grade Name : CARTE LUMINA
Grade Id : CL

Issued On: 15/08/2018
Last Reviewed On : 05/11/2018

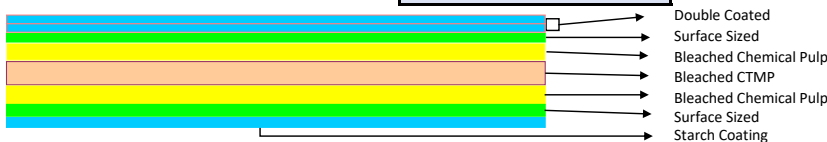
SUBSTANCE (GSM) (Avg) QS/TM/55 Tappi T 410	CALIPER (µM) (Avg) QS/TM/06 Tappi T 411	CALIPER (Pts)	BENDING RESISTANCE (L&W) mN			BENDING MOMENT (Taber 15°) mNm			TABER STIFFNESS (Taber 15°) gf.cm		
			QS/TM/33 Tappi T 556			QS/TM/33 Tappi T 489			Tappi T 489		
			MD	CD	GM	MD	CD	GM	MD	CD	GM
200	320	12.6	138	71	99	6.7	3.4	4.8	68	35	49
210	336	13.2	160	85	116	7.7	4.1	5.6	79	42	57
215	344	13.5	162	91	121	7.8	4.4	5.9	80	45	60
220	352	13.9	187	103	139	9.0	5.0	6.7	92	51	68
230	368	14.5	203	112	151	9.8	5.4	7.3	100	55	74
240	384	15.1	244	126	175	11.8	6.1	8.5	120	62	86
250	400	15.7	280	146	202	13.5	7.1	9.8	138	72	100
260	416	16.4	299	155	215	14.5	7.5	10.4	147	76	106
270	432	17.0	331	168	236	16.0	8.1	11.4	163	83	116
280	448	17.6	379	186	266	18.3	9.0	12.8	187	92	131
285	456	18.0	399	193	278	19.3	9.3	13.4	197	95	137
290	464	18.3	431	211	302	20.8	10.2	14.6	212	104	149
300	480	18.9	483	227	331	23.3	11.0	16.0	238	112	163
310	496	19.5	543	266	380	26.2	12.9	18.4	267	131	187
320	512	20.2	597	293	418	28.8	14.1	20.2	294	144	206
330	528	20.8	652	311	450	31.5	15.0	21.7	321	153	222
340	544	21.4	678	325	469	32.8	15.7	22.7	334	160	231
350	560	22.0	713	352	501	34.4	17.0	24.2	351	174	247
360	576	22.7	781	363	532	37.7	17.5	25.7	385	179	262
380	608	23.9	926	469	659	44.7	22.7	31.8	456	231	324
400	640	25.2	1073	540	761	51.8	26.1	36.8	528	266	375
410	656	25.8	1127	564	797	54.4	27.2	38.5	555	277	392
415	664	26.1	1173	587	829	56.7	28.3	40.1	578	289	408
TOL : ± 3%	± 5%	± 5%			-15%			-15%			-15%

PARAMETER	UNITS	VALUE
PLY BOND (Avg.) QS/TM/40 , Tappi T 569	J/m ²	150 MIN
ROUGHNESS PPS (Avg.)	µm	
GSM ≤ 300		1.5 MAX
GSM > 300		2.0 MAX
QS/TM/49 , Tappi T 555		
BRIGHTNESS ISO	%	
TOP		89 MIN
BACK		89 MIN
QS/TM/77 , Tappi T 452		
WHITENESS CIE	%	
TOP		110 MIN
BACK		110 MIN
QS/TM/78 , Tappi T 560		
SURFACE STRENGTH IGT PICK (MED.VISCOSITY)	m/s	
TOP		0.7 MIN
QS/TM/31 , ISO 3782 & 3783		
GLOSS AT 75° (Avg.)	%	
TOP		35 (-5)
QS/TM/27 , Tappi T 480		
MOISTURE	%	
GSM ≤ 300		7.0 ± 1.0
GSM > 300		8.0 ± 1.0
QS/TM/35 , Tappi T 412		
COBB (60 Seconds)	GSM	
TOP		50 MAX
BACK		100 MAX
QS/TM/81 , Tappi T 441		

MILL CERTIFICATIONS	
Manufacturing	ISO 9001: 2015, ISO 14001: 2015, BRC Global Standard, Issue-5
Environmental & Safety	FSC® CoC, Light ECF, CII GreenCo Platinum, OHSAS 18001: 2007
FOOD CONTACT COMPLIANCE	
USFDA	CFR 21 176.170 CFR 21 176.180
REACH SVHCs	Article 57, EC1907/2006, ECHA
ROHS/BFR XXXVI	EC1907/2006 EU2015/863 RoHS-EU/65/2011
CALIFORNIA PROPOSITION 65	NOT REQUIRED
AIPS German Standards	AIPS GS 2014.01 PAK
QUALITY INFORMATION & SERVICE LABORATORIES	
NABL Accrediated(Compliance to ISO 17025:2005)	

NOTE
1. All Properties are according to ITC PSPD Measurements
2. Test Climate 23°C ± 1 & 50% ± 2 RH
3. Tolerances are based upon 95% Confidence limits of single mill measurements of conditioned random samples

CONSTRUCTION



KEY USAGE					
FMCG	CONSUMER ELECTRONICS	PHARMA	GARMENTS	PUBLISHING	DIGITAL

Spec No : SXL/CL/PSPD/BCM/006

Format No: F/QISD/1