



**ITC LIMITED - PAPER BOARDS AND SPECIALTY PAPERS DIVISION**  
UNIT :- BHADRACHALAM

**SPECIFICATION SHEET**

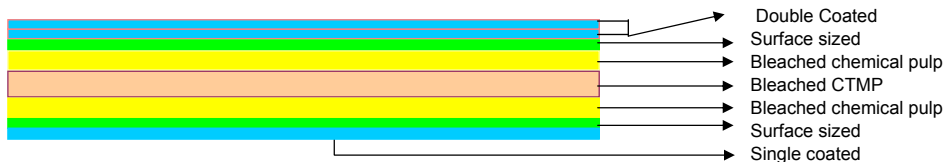
**Grade Name : CARTE LUMINA**  
**Grade Id : CL**

**SPEC NO : SXL/CL/PSPD/BCM/IV/003**  
**Format No : F/10/16**

SUBSTANCE (GSM)	CALIPER (uM)	BENDING RESISTANCE(L&W) mN		
QS/TM/55 Tappi T 410	QS/TM/06 Tappi T 411	QS/TM/33 Tappi T 556		
		MD	CD	GM
200	290	107	57	78
210	305	123	66	90
215	312	127	71	95
220	319	147	76	105
230	334	159	88	118
240	348	191	98	137
250	363	222	116	160
260	377	247	128	178
270	392	275	145	200
275	399	294	150	210
280	406	310	158	221
285	413	330	160	229
290	421	356	175	249
300	435	378	197	273
310	450	458	223	319
320	464	493	242	345
330	479	538	257	372
340	493	545	273	386
350	508	600	294	420
360	522	645	300	440
380	551	765	388	544
400	580	886	446	629
TOL : ± 3%	± 5%			-15%

PARAMETER	UNITS	VALUE
PLY BOND (Avg.) QS/TM/40 , Tappi T 833	J/m <sup>2</sup>	150 MIN
ROUGHNESS PPS (Avg.) TOP GSM ≤ 300 GSM > 300 QS/TM/49 , Tappi T 555	μm	1.5 MAX 2.0 MAX
BRIGHTNESS ISO TOP BACK QS/TM/77 , Tappi T 452	%	89 ± 2 89 ± 2
WHITENESS CIE TOP BACK QS/TM/78 , Tappi T 560	%	109 ± 3 108 ± 3
SURFACE STRENGTH IGT PICK (MED.VISCOSITY) TOP & BACK QS/TM/31 , ISO 3782 & 3783		0.7 MIN
GLOSS AT 75° (Avg.) TOP QS/TM/27 , Tappi T 480	%	40 MIN
MOISTURE GSM ≤ 300 GSM > 300 QS/TM/35 ,Tappi T 412	%	7.0 ± 1.0 8.0 ± 1.0

**CONSTRUCTION**



**Note :**

- 1.) All Properties are according to ITC Limited, PSPD Unit:BCM 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