



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

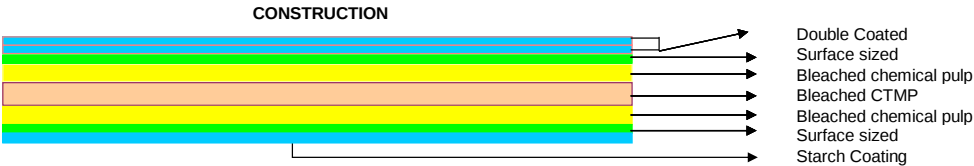
SPECIFICATION SHEET

Grade Name : CARTE LUMINA
Grade Id : CL / CALU / CAUF

SPEC NO : SXL/CL/PSPD/BCM/007
Format No : F/QISD/1

SUBSTANCE (GSM) (Avg.)	CALIPER (µM) (Avg.)	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
180	288	112	54	78
190	304	126	62	88
200	320	138	71	99
210	336	160	85	116
215	344	162	91	121
220	352	187	103	139
230	368	203	112	151
235	376	220	119	162
240	384	244	126	175
250	400	280	146	202
260	416	299	155	215
270	432	331	168	236
275	440	352	176	249
280	448	379	186	266
285	456	399	193	278
290	464	431	211	302
295	472	455	218	315
300	480	483	227	331
310	496	543	266	380
315	504	568	280	399
320	512	597	293	418
325	520	625	300	433
330	528	652	311	450
335	536	666	319	461
340	544	678	325	469
350	560	713	352	501
360	576	781	363	532
370	592	850	410	590
380	608	926	469	659
390	624	1000	500	707
400	640	1073	540	761
410	656	1127	564	797
415	664	1173	587	829
TOL : ± 3%	± 5%			-15%

PARAMETER	UNITS	VALUE
PLY BOND (Avg.) QS/TM/40 , Tappi T 569	J/m ²	150 MIN
ROUGHNESS PPS (Avg.) TOP	µm	1.50 MAX 1.80 MAX 2.00 MAX
GSM ≤ 250		
250 < GSM ≤ 340		
GSM > 340		
QS/TM/49 , Tappi T 555	%	89 MIN 86 MIN
ISO BRIGHTNESS C/2 ⁰ TOP BACK		
QS/TM/77 , ISO 2470	%	110 MIN 108 MIN
CIE WHITENESS C/2 ⁰ TOP BACK		
QS/TM/78 ,ISO 11476	m/s	0.70 MIN
SURFACE STRENGTH		
IGT PICK (MED.VISCOSITY) TOP		
QS/TM/31 , ISO 3782 & 3783	%	(35-5) MIN
GLOSS AT 75° (Avg.) TOP		
QS/TM/27 , Tappi T 480	%	7.0 ± 1.0 8.0 ± 1.0
MOISTURE		
GSM ≤ 300		
GSM > 300		
QS/TM/35 ,Tappi T 412		



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

APPROVED BY	Head - Marketing	ISSUED BY	Head - Technical
SIGNATURE		SIGNATURE	
VERSION NO.	7.0	ISSUE DATE	01/09/2024
REVISION NO.	1.0	PAGE NO.	1 of 1