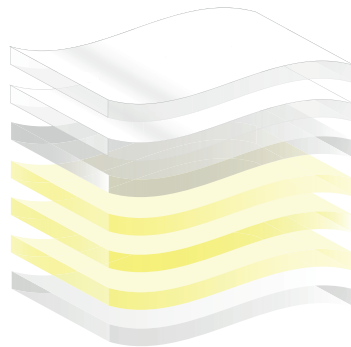




DEVELOPMENT SPECIFICATION SHEET

CYBER XL PAC

CONSTRUCTION



Double Coat

Surface side

Bleached chemical pulp

Bleached CTMP

Bleached chemical pulp

Reverse side

Name : GC 2 CYBER XL PAC

SUBSTANCE (GSM) (Avg.) QS/TM/55 Tappi T 410	CALIPER (µM) (Avg.) QS/TM/06 Tappi T 411	CALIPER (Pts)	BENDING MOMENT TABER 15° mNm		
			MD	CD	GM
200	320	12.6	6.9	3.5	4.9
205	328	12.9	7.1	3.7	5.1
210	336	13.2	8.3	4.1	5.8
215	344	13.5	8.5	4.4	6.1
220	352	13.9	9.8	5.0	7.0
225	360	14.2	10.6	5.1	7.3
230	368	14.5	10.9	5.4	7.7
235	376	14.8	12.0	5.7	8.3
240	384	15.1	12.6	6.5	9.1
250	400	15.7	14.3	7.3	10.2
260	416	16.4	15.0	7.9	10.9
270	437	17.2	17.6	8.5	12.2
275	446	17.6	18.2	9.0	12.8
280	454	17.9	19.0	9.5	13.4
285	462	18.2	19.4	10.1	14.0
290	470	18.5	20.8	11.1	15.2
295	478	18.8	22.3	11.5	16.0
300	486	19.1	23.6	12.1	16.9
310	502	19.8	26.6	14.0	19.3
315	510	20.1	28.4	14.4	20.2
320	518	20.4	29.3	14.8	20.8
325	527	20.7	31.4	15.0	21.7
330	538	21.2	32.2	15.9	22.7
340	554	21.8	35.1	16.7	24.2
350	570	22.4	36.5	17.3	25.1
360	587	23.1	39.9	19.0	27.5
370	603	23.7	41.6	19.9	28.8
375	611	24.1	45.5	21.6	31.4
380	627	24.7	47.5	23.9	33.7
400	660	26.0	53.3	26.7	37.7
410	677	26.7	56.7	28.5	40.2
420	693	27.3	59.2	30.0	42.1
430	710	28.0	62.7	31.6	44.5
440	726	28.6	66.2	33.7	47.2
450	743	29.3	68.1	34.2	48.2
TOL : ± 3 %	± 5 %	± 5 %			- 15 %



PARAMETER	UNITS	VALUE
PLY BOND (Avg.) QS/TM/40, Tappi T 569	J/m ²	150 MIN
ROUGHNESS PPS (Avg.) TOP	µm	
GSM ≤ 250		1.6 MAX
250 < GSM ≤ 340		1.8 MAX
GSM > 300 QS/TM/49, Tappi T 555		2.0 MAX
BRIGHTNESS (ISO) TOP	%	85 MIN
QS/TM/77, Tappi T 452		
WHITENESS CIE TOP	%	85 MIN
QS/TM/78, Tappi T 560		
SURFACE STRENGTH IGT PICK (MED. VISCOSITY) TOP	m/sec	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 QS/TM/35, Tappi T 412		8.0 ± 1.0
COBB (60 Seconds) TOP BACK	GSM	50 MAX 100 MAX
QS/TM/81, Tappi T 441		

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