



ITC PAPERBOARDS & SPECIALTY PAPERS DIVISION



UNIT BHADRACHALAM

PRODUCT SPECIFICATION SHEET

Grade Name : CYBER XL PAC(GC1)
Grade Id : BXHS

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

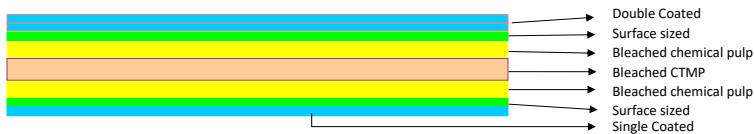
SUBSTANCE (GSM) (Avg)	CALIPER (µM) (Avg) QS/TM/06 Tappi T 411	CALIPER (Pts)	BENDING RESISTANCE (L&W) mN			BENDING MOMENT (Taber 15°) mNm			TABER STIFFNESS (Taber 15°) gf.cm			
			Tappi T 556			Tappi T 489			Tappi T 489			
			MD	CD	GM	MD	CD	GM	MD	CD	GM	
200	310	12.2	138	71	99	6.7	3.4	4.8	68	35	49	
210	326	12.8	160	85	116	7.7	4.1	5.6	79	42	57	
220	341	13.4	187	103	139	9.0	5.0	6.7	92	51	68	
230	357	14.0	203	112	151	9.8	5.4	7.3	100	55	74	
240	372	14.6	244	126	175	11.8	6.1	8.5	120	62	86	
250	388	15.3	280	146	202	13.5	7.1	9.8	138	72	100	
260	403	15.9	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	
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	
370	592	23.3	855	398	583	41.3	19.2	28.2	421	196	287	
380	608	23.9	926	469	659	44.7	22.7	31.8	456	231	324	
390	624	24.6	960	512	701	46.4	24.7	33.9	473	252	345	
400	640	25.2	1073	540	761	51.8	26.1	36.8	528	266	375	
410	656	25.8	1152	576	815	55.7	27.8	39.4	567	284	401	
420	672	26.5	1210	604	855	58.4	29.2	41.3	596	297	421	
430	688	27.1	1279	633	899	61.8	30.6	43.4	630	311	443	
440	704	27.7	1339	674	950	64.7	32.6	45.9	659	332	468	
450	720	28.3	1385	698	983	66.9	33.7	47.5	682	344	484	
TOL : ± 3%			± 5%		± 5%				-15%		-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		1.50 MAX
250 < GSM ≤ 340		1.80 MAX
GSM > 340		2.00 MAX
QS/TM/49 , Tappi T 555		
BRIGHTNESS ISO TOP	%	85 MIN
QS/TM/77 , Tappi T 452		
WHITENESS CIE TOP	%	85 MIN
QS/TM/78 , Tappi T 560		
COBB 1MIN TOP BACK	GSM	50 MAX 100 MAX
QS/TM/81, Tappi T 441		
SURFACE STRENGTH IGT PICK (MED.VISCOSITY) TOP	m/s	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 GSM > 300 QS/TM/35, Tappi T 412	%	7.0 ± 1.0 8.0 ± 1.0

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							
F&B	FMCG	LIQUOR	GARMENTS	PHARMA	CONSUMER ELECTRONICS	DIGITAL	CULTURAL/ CARDS

Spec No : BCK/BXHS/PSPD/BCM/006

Format No: F/QISD/1