



**ITC LIMITED - PAPERBOARDS AND SPECIALTY PAPERS DIVISION**  
**UNIT :- BHADRACHALAM**

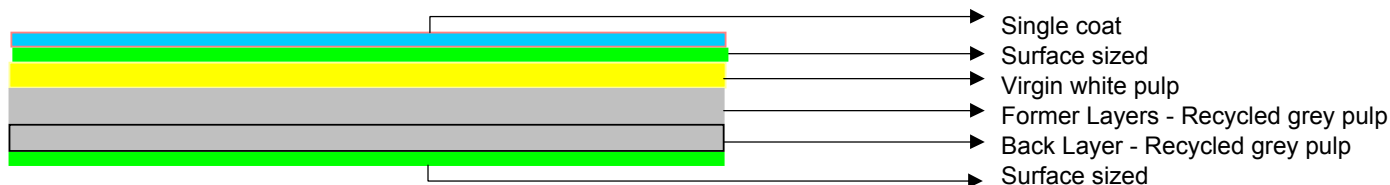
**GRADE NAME : HIGH WHITENESS BOARD**  
**GRADE ID : HWB**

**SPEC NO: HWB/GEN/PSPD/BCM/I/02**  
**FORMAT : F/10/16**

SUBSTANCE (GSM)	CALIPER (microns)	BENDING RESISTANCE (mN)		
		QS/TM/33 , Tappi T556 om-95		
		VALUE		
QS/TM/55 TAPPI T 410 om - 98	QS/TM/06 TAPPI T 411 om - 97	MD	CD	GM
300	375	247	100	156
305	381	257	105	164
310	388	263	110	170
320	400	284	116	181
325	406	315	131	204
330	413	326	137	210
340	425	336	142	218
350	438	368	147	232
360	450	373	149	235
TOL : ± 5%	± 5%	± 10%	± 10%	± 10%

PARAMETERS	UNITS	VALUE
PLYBOND QS/TM/41 , TAPPI T 833 pm - 94	J/M <sup>2</sup>	125 MIN
ROUGHNESS MEAN QS/TM/49 , TAPPI T 555 pm - 94	mic	2.3 (± 0.5)
BRIGHTNESS QS/TM/03 , I S O 2470	%	88(-2)
COBB PRINT SIDE BACK SIDE QS/TM/09 , TAPPI T 441 om - 98	GSM	50 MAX 100 MAX
MOISTURE QS/TM/35 , TAPPI T 412 Om - 94	%	8.0 ( ± 1.0)
GLOSS 75° QS/TM/27 , TAPPI T 480 om - 92	%	30 MIN
IGT (Medium Viscosity) QS/TM/31 , ISO 3782 & 3783	m/sec	0.7 MIN
WHITENESS MIN	%	108 (-2)

**CONSTRUCTION**



**Note :**

- 1.) All Properties are according to ITC Limited, PSPD Unit:Bhadrachalam Measurements
- 2.) Test Climate 23°C/50%RH (Conditioning as per Tappi T 402 sp-98)
- 3.) Tolerances are based upon 95% Confidence limits of single mill measurements of conditioned random samples