



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

SPECIFICATION SHEET

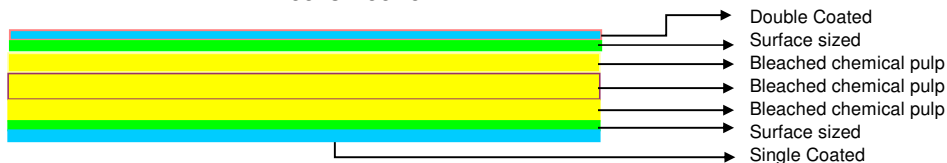
Grade Name : SAFIRE GRAPHIK  
Grade Id : SGT

SPEC NO : SG/SGT/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	216	63	36	48
210	227	70	40	53
215	232	80	45	60
220	238	84	50	65
230	248	100	57	75
240	259	108	60	80
250	278	119	76	95
260	289	156	86	116
270	300	172	91	125
275	305	177	95	130
280	311	185	99	135
285	316	198	108	146
290	322	209	115	155
300	333	217	118	160
TOL : ± 3%	± 5%			-15%

PARAMETER	UNITS	VALUE
PLY BOND (Avg.) QS/TM/40 , Tappi T 833	J/m <sup>2</sup>	150MIN
ROUGHNESS PPS (Avg.) TOP	µm	1.8 MAX 2.3 MAX 2.5 MAX
GSM ≤ 250 250 < GSM ≤ 340 GSM > 340 QS/TM/49 , Tappi T 555		
ROUGHNESS PPS (Avg.) BACK	µm	3.8 MAX 3.8 MAX
GSM ≤ 250 250 < GSM ≤ 300 QS/TM/49 , Tappi T 555		
BRIGHTNESS ISO TOP BACK	%	92 ± 2 92 ± 2
QS/TM/77 , Tappi T 452		
WHITENESS CIE TOP BACK	%	116 ± 4 116 ± 4
QS/TM/78 , Tappi T 560		
DELTA - E TOP & BACK		1.5 MAX
QS/TM/79 , Tappi T 527		
SURFACE STRENGTH IGT PICK (MED.VISCOSITY) TOP & BACK	m/sec	0.7 MIN
QS/TM/31 , ISO 3782 & 3783		
GLOSS AT 75° (Avg.) TOP	%	40 MIN
QS/TM/27 , Tappi T 480		
MOISTURE GSM ≤ 300 QS/TM/35 , Tappi T 412	%	7.0 ± 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