



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

SPECIFICATION SHEET

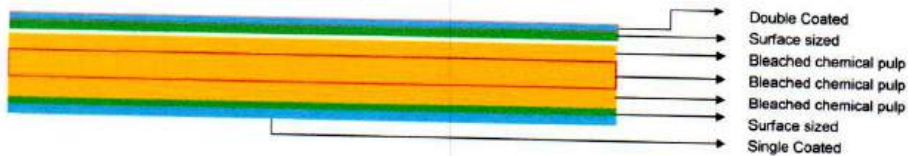
Grade Name : SAFIRE GRAPHIK
Grade Id : SGT

SPEC NO : SG/SGT/PSPD/BCM/007
Format No : F/QISD/1

SUBSTANCE (GSM) (Avg.)	CALIPER (μM) (Avg.)	BENDING RESISTANCE(L&W) mN		
QS/TM/55	QS/TM/08	QS/TM/33		
Tappi T 410	Tappi T 411	Tappi T 556		
		MD	CD	GM
200	220	63	36	48
210	231	70	40	53
215	237	80	45	60
220	242	84	50	65
230	253	100	57	75
240	264	108	60	80
250	275	119	78	95
260	288	156	86	116
270	297	172	91	125
275	303	177	95	130
280	308	185	99	135
285	314	198	108	146
290	319	209	115	155
300	330	217	118	160
TOL : ± 3%	± 5%			-15%

PARAMETER	UNITS	VALUE
PLY BOND (Avg.)	J/m ²	150MIN
QS/TM/40 , Tappi T 569		
ROUGHNESS PPS (Avg.)	μm	
TOP		1.8 MAX
GSM ≤ 250		2.3 MAX
250 < GSM ≤ 340		2.5 MAX
GSM > 340		
QS/TM/49 , Tappi T 555		
ROUGHNESS PPS (Avg.)	μm	
BACK		6.5 MAX
QS/TM/49 , Tappi T 555		
ISO BRIGHTNESS C/2 ⁰	%	
TOP		92 ± 2
BACK		90 ± 2
QS/TM/77 , ISO 2470		
CIE WHITENESS C/2 ⁰	%	
TOP		116 ± 4
BACK		114 ± 4
QS/TM/78 , ISO 11476		
DELTA - E		
TOP & BACK		1.50 MAX
QS/TM/79 , Tappi T 527		
SURFACE STRENGTH	m/sec	
IGT PICK (MED.VISCOSITY)		
TOP & BACK		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		7.0 ± 1.0
QS/TM/35 , Tappi T 412		

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

APPROVED BY	Head - Marketing	ISSUED BY	Head - Technical
SIGNATURE		SIGNATURE	
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