



ITC LIMITED - PAPER BOARDS AND SPECIALTY PAPERS DIVISION
UNIT :- BHADRACHALAM

SPECIFICATION SHEET

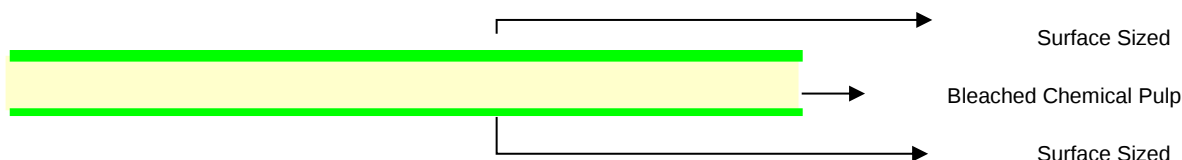
GRADE NAME : ALFA ZAP
GRADE ID : ZAP

SPEC NO: ZAP/GEN/PSPD/BCM/VI/004
Format No : F/QISD/1

SUBSTANCE (GSM)
QS/TM/55
TAPPI T 410 om - 98
54
56
58
60
64
65
70
78
80
90
100
105
110
120
± 5%

PARAMETERS	UNITS	54-60 GSM	64-70 GSM	78/80 GSM	90-105 GSM	110-120 GSM
BULK	cc/g	1.25 ± 0.03	1.23 ± 0.03	1.22 ± 0.03	1.22 ± 0.03	1.22 ± 0.03
TEAR FACTOR QS/TM/57, TAPPI T 414		46 MIN	46 MIN	46 MIN	46 MIN	46 MIN
COBB						
TOP SIDE WIRE SIDE QS/TM/09, TAPPI T 441	GSM	28 Max 28 Max	28 Max 28 Max	28 Max 28 Max	28 Max 28 Max	28 Max 28 Max
BREAKING LENGTH MD CD	mtrs	4700(-500) 2700(-400)	4700(-500) 2700(-400)	4700(-500) 2700(-400)	4500(-500) 2400(-400)	4100(-500) 2400(-400)
QS/TM/59, TAPPI T 494						
MOISTURE QS/TM/35, TAPPI T 412	%	4.0 - 5.0	4.0 - 5.0	4.0 - 5.0	4.5 - 5.5	4.5 - 5.5
BRIGHTNESS QS/TM/77, TAPPI 452	%	94 Min	94 Min	94 Min	94 Min	94 Min
OPACITY QS/TM/80, TAPPI 519	%	89(-1)	89(-1)	91(-1)	93(-1)	93(-1)
CIE WHITENESS D 65 QS/TM/78, TAPPI 500	%	157(-5)	157(-5)	157(-5)	157(-5)	157(-5)
WAX PICK TOP SIDE WIRE SIDE QS/TM/62, TAPPI T 459	NO	12A 12A	12A 12A	12A 12A	12A 12A	12A 12A
ROUGHNESS (BENDTSEN) TOP SIDE	ml/min	120±50	125±50	145±50	155±50	215±50
WIRE SIDE AVG QS/TM/48, ISO 8791 – 2	ml/min	65±30	70±30	80±30	85±30	120±30

CONSTRUCTION



Note :

- 1.) All Properties are according to ITC Limited, PSPD Unit:BCM Measurements
- 2.) Test Climate 23°C/50%RH
- 3.) Tolerances are based upon 95% Confidence limits of single mill measurements of conditioned random samples