



SPECIFICATION SHEET FOR EMAMI STANDARD NEWS PRINT

Grade Name : ESNP
Grade Id : NPW (Regular Shade)
Machine : PMC # 3

SPEC NO : 1
Format No : 1
Rev:-00

PARAMETERS	STANDARD	UOM	VARIANTS			TOLERANCE
SUBSTANCE	Tappi T410	gsm	42	44	45	± 2.5%
CALIPER	Tappi T411	µm	57	60	61	± 3.0%
BULK	Tappi T411	cc/g	1.35	1.35	1.35	± 3.0%
BRIGHTNESS	ISO 2470	% ISO	54.0	54.0	54.0	Min
CIE WHITNESS	ISO 11476	% ISO	40.0	40.0	40.0	Min
ROUGHNESS - BENDTSEN-TS	ISO 8791 - 2	ml/min	200	200	200	Max
ROUGHNESS - BENDTSEN-WS	ISO 8791 - 2	ml/min	150	150	150	Max
OPACITY	ISO 2471	% ISO	92.0	92.0	92.0	Min
BREAKING LENGTH (MD)	Tappi T494	meters	4200	4200	4200	Min
BREAKING LENGTH (CD)	Tappi T494	meters	1300	1300	1300	Min
TEAR INDEX MD	Tappi T414	mNm ² /gm	5.0	5.0	5.0	Min
TEAR INDEX CD	Tappi T414	mNm ² /gm	6.5	6.5	6.5	Min
WAX PICK TS/WS	Tappi T459	No.	9A	9A	9A	Min
COBB SIZING (60 SECS)	Tappi T441	gsm	80	80	80	Max
POROSITY	Tappi T547	ml/min	450	450	450	Max
MOISTURE	Tappi T412	%	7.5	7.5	7.5	± 0.5
L	ISO 2470	-	81.0	81.0	81.0	± 0.5
a	ISO 2470	-	-0.60	-0.60	-0.60	± 0.5
b (-)	ISO 2470	-	3.5	3.5	3.5	± 0.5
Yellowness	ISO 2470		6.5	6.5	6.5	± 0.5

- Note :**
- 1.) All Properties are according to standard method.
 - 2.) Samples are tested at Test Climate 27°C ± 1 & 65% ± 2 RH
 - 3.) Tolerances are based upon 95% Confidence limits of single mill measurements of conditioned random