



EMAMI PAPER MILLS LIMITED
PAPER MACHINE1,2&3, UNIT:-BALASORE

SPECIFICATION SHEET FOR EMAMI OIL & GREASE RESISTANCE PAPER

Grade Name :	Oil & Grease Resistance Paper												SPEC NO : 01
Grade Id :	OGR												Format No :01
Machine :	PMC # 1												Rev:-00
PARAMETERS	STANDARD	UOM	Variants										TOLERANCE
			OGR-32	OGR-35	OGR-38	OGR-40	OGR-45	OGR-48	OGR-50	OGR-60	OGR-65	OGR-70	
KIT Value		Number	5 & 7	5 & 7	5 & 7	5 & 7	5 & 7	5 & 7	5 & 7	5 & 7	5 & 7	5 & 7	Minimum
SUBSTANCE	Tappi T410	gsm	32	35	38	40	45	48	50	60	65	70	± 2.5%
Caliper	Tappi T411	μ	48	51	55	58	63	67	68	79	85	91	± 3%
BULK	Tappi T411	cc/g	1.50	1.45	1.45	1.45	1.45	1.40	1.35	1.32	1.30	1.30	± 3%
BRIGHTNESS	ISO 2470	% ISO	82	82	84	84	84	84	84	84	84	84	± 1
CIE WHITNESS	ISO 11476	% ISO	70	70	72	72	72	72	72	72	72	72	± 5
OPACITY	ISO 2471	% ISO	50	50	60	60	60	60	70	70	70	70	Minimum
ROUGHNESS - BENDTSEN TS	ISO 8791 - 2	ml/min	200	200	200	200	200	200	200	200	200	200	Maximum
ROUGHNESS - BENDTSEN WS	ISO 8791 - 2	ml/min	250	250	250	250	250	250	250	250	250	250	Maximum
POROSITY	Tappi T547	ml/min	80	80	80	80	80	80	80	80	80	80	Maximum
TEAR INDEX, MD	Tappi T413	mNm ² /g	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	Minimum
TEAR INDEX, CD	Tappi T414	mNm ² /g	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	Minimum
BREAKING LENGTH (MD)	Tappi T494	meters	7000	7000	7000	7000	7000	7000	6500	6500	6000	6000	Minimum
BREAKING LENGTH (CD)	Tappi T494	meters	4500	4500	4500	4500	4500	4500	4000	4000	4000	4000	Minimum
COBB SIZING (60 Secs)	Tappi T441	gsm	25	25	25	25	25	25	25	25	25	25	Maximum
L	ISO 2470	-	96	96	96	96	96	96	96	96	96	96	± 1
a	ISO 2470	-	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	± 0.5
b	ISO 2470	-	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	± 0.5
MOISTURE	Tappi T412	%	4.00	4.00	4.00	4.00	4.20	4.20	4.50	4.50	4.50	4.50	± 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 samples.

PM 1,2,3 Quality Assurance