

ITC Limited - Paperboards and Specialty Papers Division
Unit: TRIBENI

SPECIFICATION SHEET

GRADE NAME: PHARMA PRINT

Parameter	Unit	30 GSM	40 GSM	45 GSM	Test Method
Substance	g/m ²	30 ± 1.5	40 ± 2	45 ± 2	T410/ISO536
Thickness	µm	39 ± 3	50 ± 3	55 ± 3	T411/ISO534
Tensile MD	N/15mm	17 min	20 min	22 min	T494/ISO1924
Stiffness (MD)	No	10 ± 3	15 ± 3	15 ± 3	T489/ISO5628
*ISO Opacity %	%	72 min	74 min	76 min	T519/ISO2471
Brightness ISO	%	84 min	87 min	87 min	T525/ISO2470
Gurley 20 Oz	Sec/100ml	50 max	50 max	50 max	T460/ISO5636-5
Roughness Top	ml/min	70 ± 20	70 ± 20	70 ± 20	T535/ISO8791-2
Roughness Wire	ml/min	90 ± 20	90 ± 20	90 ± 20	T535/ISO8791-2
Water cobb	g/m ²	25 ± 3	25 ± 3	25 ± 3	T441/ISO535
Loading	%	13 ± 3	13 ± 3	13 ± 3	T421
Ash	%	20 ± 3	20 ± 3	20 ± 3	T211/ISO1762
Wax Pick Top	No	13 min	13 min	13 min	T459/Dennison test
Wax Pick Wire	No	14 min	14 min	14 min	T459/Dennison test
Shade	-	Close to standard	Close to standard	Close to standard	ITC Method
Formation	-	Fair	Fair	Fair	ITC Method

* Critical Parameter : No deviation allowed on critical parameter

Note :

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