

CONDENSED SPEC SHEET*

Grade Name: Pharma Print

Pharma Print is a specialty paper with a superior mix of strength, print and conversion properties. Its excellent folding endurance and caliper consistency drives productivity in high speed folding machines and make Pharma Print the ideal choice for pharma inserts and outserts. Its high opacity resulting from special fillers imparts minimum two-sidedness to the paper. Aesthetically pleasing, Pharma Print offers extraordinary smoothness and brightness, resulting in better print density. It also provides superior runnability and de-stacking property on high-speed offset machines. Pharma Print comes with a natural shade, and is available in both reel and sheet form.

PARAMETER	UNITS	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 200z	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/Dimension test
Wax Pick Wire	No	14 min	14 min	14 min	T459/Dimension test
Shade	-	Close to standard	Close to standard	Close to standard	ITC Method
Formation	-	Fair	Fair	Fair	ITC Method

CERTIFICATIONS & COMPLIANCES	
Manufacturing	ISO 9001
EHS	FSC®, ISO 45001, ISO 14001

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
4. Can be supplied with FSC® certification on request (FSC®-C064218)