

CONDENSED SPEC SHEET*

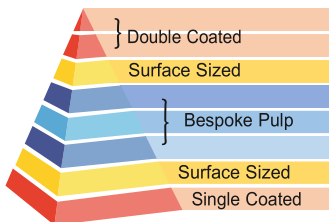
Grade Name: OPUS CARD

SUBSTANCE (GSM)	CALIPER (µM)	BENDING RESISTANCE (L&W) mN			Folding Endurance (No of folds)	
		TAPPI T556			TAPPI T511	
TAPPI T 410	TAPPI T 411	MD	CD	GM	MD	CD
200	294	112	56	79	322	158
230	338	159	80	113	245	149
250	368	197	98	139	170	140
270	397	282	141	200	140	110
280	412	315	157	223	120	100
300	441	385	193	272	100	70
TOL : ± 3%	± 5%	-15%			± 10%	

CERTIFICATIONS & COMPLIANCES	
Manufacturing	ISO 9001, ISO 14001, ISO 45001
Environmental & Safety	FSC® CoC, Light ECF, CII GreenCo Platinum, SMETA 4 Pillar
Regulatory	REACH, ROHS

PARAMETER	UNITS	VALUE
PLY BOND (Avg.)	J/m ²	150 MIN
ROUGHNESS PPS (Avg.)		
200 - 240 GSM	TOP	µm
241 - 300 GSM		1.8 MAX 2.2 MAX
ROUGHNESS - BENDTSEN	BACK SIDE	
<250 GSM		ml/min
251-300 GSM		400 500
BRIGHTNESS ISO		
	FRONT SIDE	%
	BACK SIDE	85 MIN 78 MIN
WHITENESS CIE		
	FRONT SIDE	%
	BACK SIDE	85 MIN 78 MIN
SURFACE STRENGTH IGT PICK (MED.VISCOSITY)		
		m/sec
		0.7 MIN
GLOSS AT 75° (Avg.)	TOP	%
		35 MIN
MOISTURE CONTENT		
≤300 GSM		%
>300 GSM		6.0 - 7.5 7.5 - 8.5
COBB (60 sec)		
	TOP	g/m ²
	BOT	50 Max 100 Max

CONSTRUCTION



Note :

- All Properties are according to ITC PSPD Measurements
- Test Climate 23°C ± 1 & 50% ± 2 RH
- Tolerances are based upon 95% Confidence limits of single mill measurements of conditioned random samples
- All parameters are measured as per relevant Tappi standard



PUBLISHING



DIGITAL



CULTURAL/ CARDS