

Korsnäs AB
26 June 2008

Technical Specification - typical properties

Property		Tolerance	240	265	290	320	345	380	410	Method
Basis weight,	g/m ²	±5%	240	265	290	320	345	380	410	ISO 536
Caliper,	microns	±6%, ±5%*	330	370	430	480	525	580	645	ISO 534
Bending resistance,	mN									
L&W, 15°	√ MDxCD	-15%	165	215	325	435	540	715	900	ISO 2493
	MD	-15%	250	305	460	620	745	965	1230	ISO 2493
	CD	-15%	110	150	230	305	390	520	660	ISO 2493
Internal bond strength,	J/m ²	min 100	150	150	150	150	150	150	150	T 569
Tearing resistance,	mN									
	√ MDxCD		3100	3500	4250	5200	5800	6600	7600	ISO 1974
Compression strength, SCT, kN/m										
	MD		6.2	6.5	6.9	7.4	8.0	8.6	9.0	ISO 9895
	CD		4.5	5.0	5.5	6.0	6.6	7.0	7.4	ISO 9895
Brightness,	% ISO									
	TS	min 90	95	95	95	95	95	95	95	ISO 2470
	RS	min 80	85	85	85	85	85	85	85	ISO 2470
Whiteness										
	TS	min 100	110	110	110	110	110	110	110	ISO 11475
	RS	min 80	85	85	85	85	85	85	85	ISO 11475
Roughness										
- PPS-10, microns	TS	max 1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	ISO 8791-4
- Bendtsen, ml/min	TS	max 120	50	50	50	50	50	50	50	ISO 8791-2
	RS	max 900, 1300**	500	500	500	500	500	500	500	ISO 8791-2
Gloss,	% TS		45	45	45	45	45	45	45	ISO 8254-1
Cobb 60",	g/m ²									
	TS	max 60	35	35	35	35	35	35	35	ISO 535
	RS	max 60	35	35	35	35	35	35	35	ISO 535
Moisture content,	%	±1.2%	7.4	7.6	7.6	7.8	8.0	8.2	8.4	ISO 287

*) For 320-410 g/m²

**) For 345-410 g/m²

- Testing climate: 23°C, 50% RH
- Min/max property values are lower resp. upper limit values for 95% confidence interval of the tested properties and are based on measurements on tambour basis.
- During the converting process, especially the bending stiffness values might be influenced negatively.
- This specification might be revised, if considerable changes in the production conditions are necessary, or customer demands so require.